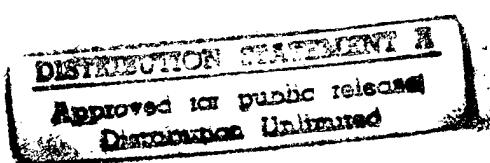


Water Savings Opportunity Survey (WSOS)

Fort Belvoir, Virginia

Field Notes
Volume 1 of 1



CONTRACT #DACA01-94-D-0934
DELIVERY ORDER 0009
SYSTEMS CORP PROJECT #94013.09

August 31, 1995

SYSTEMS*corp*

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION



Baltimore District
U.S. Army Corps
of Engineers

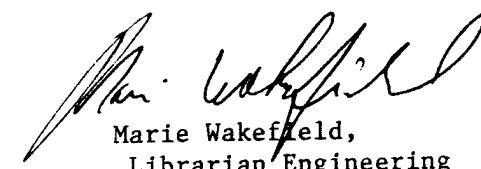


DEPARTMENT OF THE ARMY
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Marie Wakefield,
Librarian Engineering

Field Survey Notes

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Family Housing

Family Housing
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FIELD SURVEY SHEETS

Building No.

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1703 D	22
1723 A1	23
2785 A	24

DTIC QUALITY INSPECTED 2

19971023 094

FAMILY HOUSING LIST						
FAMILY HOUSING UNIT SURVEYED				UNITS TYPIFIED BY SURVEYED UNIT		
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST	

BELVOIR VILLAGE HOUSING AREA

1	71111	FH GEN	7262	6	35	2	3	4	5	6	7	8	9	10	11
						12	13	14	15	16	17	18	19	21	22
						23	24	25	26	27	28	29	30	31	32
						33	34	35	36	37	38	39	40	41	42
						43	44	45	46	47	48	49	50	51	52
						53	54	55	56	57	58	59	60	67	68

BELVOIR VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 61

GERBER VILLAGE HOUSING AREA

150	71115	FH NCO & ENL	2237	4	31	101	102	103	104	105	106	107	108	109	110
SURVEYED, 5909 20th ST															
						111	112	114	115	116	117	118	119	120	121
						122	123	124	125	126	127	128	129	130	131
						132	133	134	135	136	137	138	139	140	141
						142	143	144	145	146	147	148	149	151	152
						153	155	157	159	161	162	163	164	165	166 A
						166 B	167 A	167 B	168 A	168 B	169 A	169 B	170 A	170 B	171 A
						171 B	500 A	501 A	502 A	503 A					

GERBER VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 76

JADWIN AND ROSEL VILLAGE HOUSING AREAS

417 B	71113	FH LC & MAJ	2089	4	55	406 A	406 B	407 A	407 B	408 A	408 B	409 A	409 B	410 A	410 B
SURVEYED, 5427 ROSSEL LOOP															
						411 A	411 B	412 A	412 B	413 A	413 B	414 A	414 B	415 A	415 B
						416 A	416 B	417 A	417 B	418 A	418 B	419 A	419 B	420 A	421 A
						421 B	422 A	422 B	423 A	423 B	424 A	424 B	425 A	425 B	426 A
						426 B	427 A	427 B	428 A	428 B	429 A	429 B	430 A	430 B	431 A
						431 B	432 A	432 B							

FAMILY HOUSING LIST						
FAMILY HOUSING UNIT SURVEYED				UNITS TYPIFIED BY SURVEYED UNIT		
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST	
455 B	71113	FH LC & MAJ	2541	3	55	451 A 451 B 451 C 451 D 451 E 452 A 452 B 452 C 452 D 452 E 453 A 453 B 453 C 453 D 453 E 454 A 454 B 454 C 454 D 454 E 455 A 455 C 455 D 455 E
468 A	71113	FH LC & MAJ	1809	3	21	401 A 401 B 402 A 402 B 403 A 403 B 404 A 404 B 405 A 405 B 436 A 437 A 438 A 439 A 440 A 441 A 442 A 457 A 458 A 459 A 460 A 461 A 462 A 463 A 464 A 465 A 466 A 467 A 469 A 479 A 480 A 481 A 483 A 484 A 487 A 488 A 489 A 490 A 491 A 492 A 493 A 494 A 496 A

JADWIN AND ROSEL VILLAGE HOUSING AREAS TOTAL NUMBER OF UNITS: 123

FAIRFAX VILLAGE HOUSING AREA						
SURVEYED - 10401 FORNEY LOOP				UNITS TYPIFIED BY SURVEYED UNIT		
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST	
522 A	71124	FH CAPE CG & WO	1467	3	60	510 A 510 B 511 A 511 B 512 A 512 B 513 A 513 B 514 A 514 B 515 A 515 B 516 A 516 B 517 A 517 B 518 A 518 B 519 A 519 B 520 A 520 B 521 A 521 B 522 B 523 A 523 B 524 A 524 B 525 A 525 B 526 A 526 B 527 A 527 B 528 A 528 B 529 A 529 B 530 A 530 B 531 A 531 B 532 A 532 B 533 A 533 B 534 A 534 B 535 A 535 B 536 A 536 B 537 A 537 B 538 A 538 B 539 A 539 B 540 A 540 B 541 A 541 B 542 A 542 B 543 A 543 B 544 A 544 B 545 A 545 B 546 A 546 B 547 A 547 B 548 A 548 B 549 A 549 B 550 A 550 B 551 A 551 B 552 A 552 B 553 A 553 B 554 A 554 B 555 A 555 B 556 A 556 B 557 A 557 B 558 A 558 B 559 A 559 B 560 A 560 B 561 A 561 B 562 A 562 B 563 A 563 B 564 A 564 B 565 A 565 B 566 A 566 B 567 A 567 B 568 A 568 B 569 A 569 B 570 A 570 B 571 A 571 B 572 A 572 B 573 A 573 B 574 A 574 B 575 A 575 B 576 A 576 B 577 A 577 B 578 A 578 B 579 A 579 B 580 A 580 B 581 A 581 B 582 A 582 B 583 A 583 B

FAIRFAX VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 148

FAMILY HOUSING LIST						
FAMILY HOUSING UNIT SURVEYED				UNITS TYPIFIED BY SURVEYED UNIT		
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO	YR CNST	BDRM

COLYER VILLAGE HOUSING AREA

810 C	71115	FH NCO & ENL	1530	2	50	809 A	809 B	809 C	809 D	810 A	810 B	810 D	810 E	810 F	810 G
SURVEYED - 5895 PETERSON LOOP															
811 H	811 I	811 J	811 K	811 L	811 M	810 H	810 I	810 J	811 A	811 B	811 C	811 D	811 E	811 F	811 G
816 B	817 A	817 B	817 C	817 D	817 E	816 B	817 A	817 B	818 A	818 B	819 A	819 B	820 A	820 B	821 A
821 B	822 A	822 B	822 C	822 D	822 E	821 B	822 A	822 B	823 A	823 B	824 A	824 B	825 A	825 B	826 A
826 B	827 A	827 B	827 C	827 D	827 E	826 B	827 A	827 B	828 A	828 B	829 A	829 B	830 A	830 B	831 A
831 B	832 A	832 B	832 C	832 D	832 E	831 B	832 A	832 B	833 A	833 B	834 A	834 B	835 A	835 B	836 A
836 B	837 A	837 B	837 C	837 D	837 E	836 B	837 A	837 B	838 A	838 B	839 A	839 B	840 A	840 B	841 A
841 B	842 A	842 B	842 C	842 D	842 E	841 B	842 A	842 B	843 A	843 B	844 A	844 B	845 A	845 B	846 A
846 B															

COLYER VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 92

DOGUE CREEK VILLAGE HOUSING AREA

902 C	71115	FH NCO & ENL	1137	2	56	900 A	900 B	900 C	900 D	900 E	901 A	901 B	901 C	901 D	901 E
SURVEYED - 9616 BARLOW RD															
902 D	902 E	902 F	902 G	902 H	902 I	902 A	902 B	902 C	902 D	902 E	903 A	903 B	903 C	903 D	903 E

924 B	71115	FH NCO & ENL	1137	2	56	904 A	904 B	904 C	904 D	904 E	905 A	905 B	905 C	905 D	905 E
SURVEYED - 9623 MALONEY RD															
906 A	906 B	906 C	906 D	906 E	906 F	907 F	907 G	907 H	907 I	908 A	908 B	908 C	908 D	908 E	908 F

909 A	909 B	909 C	909 D	909 E	909 F	911 A	911 B	911 C	911 D	911 E	912 A	912 B	912 C	912 D	912 E
913 A															
913 B	913 C	913 D	913 E	913 F	913 G	914 A	914 B	914 C	914 D	914 E	914 F	914 G	914 H	914 I	914 J
914 F	914 G	914 H	914 I	914 J	914 K	915 A	915 B	915 C	915 D	915 E	916 A	916 B	916 C	916 D	916 E
916 B	916 C	916 D	916 E	916 F	916 G	917 A	917 B	917 C	917 D	917 E	917 F	917 G	917 H	917 I	917 J
918 A	918 B	918 C	918 D	918 E	918 F	919 A	919 B	919 C	919 D	919 E	919 F	919 G	919 H	919 I	919 J
919 F	919 G	919 H	919 I	919 J	919 K	920 A	920 B	920 C	920 D	920 E	920 F	920 G	920 H	920 I	920 J
921 A	921 B	921 C	921 D	921 E	921 F	921 G	921 H	921 I	921 J	921 K	922 A	922 B	922 C	922 D	922 E
922 F	922 G	922 H	922 I	922 J	922 K	923 A	923 B	923 C	923 D	923 E	924 A	924 B	924 C	924 D	924 E
924 D	924 E	924 F	924 G	924 H	924 I	925 A	925 B	925 C	925 D	925 E	926 A	926 B	926 C	926 D	926 E
926 D	926 E	926 F	926 G	926 H	926 I	927 A	927 B	927 C	927 D	927 E	928 A	928 B	928 C	928 D	928 E
928 C	928 D	928 E	928 F	928 G	928 H	928 A	928 B	928 C	928 D	928 E	929 A	929 B	929 C	929 D	929 E
929 E	930 A	930 B	930 C	930 D	930 E	931 A	931 B	931 C	931 D	931 E	932 A	932 B	932 C	932 D	932 E

FAMILY HOUSING LIST

FAMILY HOUSING UNIT SURVEYED						UNITS TYPIFIED BY SURVEYED UNIT				
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST					
		931 E	932 A	932 B	932 C	932 D	932 E	933 A	933 B	933 C
		933 E	933 F	933 G	933 H	933 I	934 A	934 B	934 C	934 D
		934 F	934 G	934 H	934 I	935 A	935 B	935 C	935 D	935 E
		936 A	936 B	936 C	936 D	936 E	936 F	936 G	936 H	936 I
		937 B	937 C	937 D	937 E	938 A	938 B	938 C	938 D	938 E
		938 G	938 H	938 I	939 A	939 B	939 C	939 D	939 E	939 F
		940 B	940 C	940 D	940 E	940 F	940 G	940 H	940 I	941 A
		941 C	941 D	941 E	942 A	942 B	942 C	942 D	942 E	943 A
		943 C	943 D	943 E	944 A	944 B	944 C	944 D	944 E	

DOGUE CREEK VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 270

GEORGE WASHINGTON VILLAGE HOUSING AREA

1533 A	71125	FH CAPE NCO ENL	1296	3	60	1501 A	1501 B	1502 A	1502 B	1503 A
SURVEYED - 9170 MILLER RD										
						1506 A	1506 B	1507 A	1507 B	1508 A
						1511 A	1511 B	1512 A	1512 B	1513 A
						1516 A	1516 B	1517 A	1517 B	1518 A
						1521 A	1521 B	1522 A	1522 B	1523 A
						1526 A	1526 B	1527 A	1527 B	1528 A
						1531 A	1531 B	1532 A	1532 B	1533 A
						1536 B	1537 A	1537 B	1538 A	1538 B
						1541 B	1542 A	1542 B	1543 A	1543 B
						1546 B	1547 A	1547 B	1548 A	1548 B
						1551 B	1552 A	1552 B	1553 A	1553 B
						1556 B	1557 A	1557 B	1558 A	1558 B
						1566 B	1567 A	1567 B	1568 A	1568 B
						1571 B	1572 A	1572 B		

GEORGE WASHINGTON VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 144

RIVER VILLAGE HOUSING AREA

1641 B	71125	FH CAPE NCO ENL	1467	3	60	1601 A	1601 B	1602 A	1602 B	1603 A
SURVEYED - 5424 YORK RD										
						1606 A	1606 B	1607 A	1607 B	1608 A
						1611 A	1611 B	1612 A	1612 B	1613 A
						1616 A	1616 B	1617 A	1617 B	1618 A

FAMILY HOUSING LIST

FAMILY HOUSING UNIT SURVEYED

FAMILY HOUSING LIST							UNITS TYPIFIED BY SURVEYED UNIT												
FAMILY HOUSING UNIT SURVEYED				NO. YR CNST			NO. YR CNST			NO. YR CNST			NO. YR CNST						
FAC NO.	CAT CODE	DESIGNATION	SQ FT	BDRM		BDRM		BDRM		BDRM		BDRM		BDRM					
1621 A	1621 B	1622 A	1622 B	1623 A	1623 B	1624 A	1624 B	1625 A	1625 B	1626 A	1626 B	1627 A	1627 B	1628 A	1628 B	1629 A	1629 B	1630 A	1630 B
1631 A	1631 B	1632 A	1632 B	1633 A	1633 B	1634 A	1634 B	1635 A	1635 B	1636 A	1636 B	1637 A	1637 B	1638 A	1638 B	1639 A	1639 B	1640 A	1640 B
1641 A	1642 A	1642 B	1643 A	1643 B	1644 A	1644 B	1645 A	1645 B	1646 A	1646 B	1647 A	1647 B	1648 A	1648 B	1649 A	1649 B	1650 A	1650 B	1651 A
1651 B	1652 A	1652 B	1653 A	1653 B	1654 A	1654 B	1655 A	1655 B	1656 B	1656 B	1657 A	1657 B	1658 A	1658 B	1659 A	1659 B	1660 A	1660 B	1661 A
1661 B	1662 A	1662 B	1663 A	1663 B	1664 A	1664 B	1665 A	1665 B	1666 B	1667 A	1667 B	1668 A	1668 B	1669 A	1669 B	1670 A	1670 B	1671 A	1671 A
1671 B	1672 A	1672 B	1673 A	1673 B	1674 A	1674 B	1675 A	1675 B	1676 B	1677 A	1677 B	1678 A	1678 B	1679 A	1679 B	1680 A	1680 B	1681 A	1681 B
1686 A	1686 B	1687 A	1687 B	1688 A	1688 B	1689 A	1689 B	1690 A	1690 B	1691 A	1691 B	1692 A	1692 B	1693 A	1693 B	1694 A	1694 B		

RIVER VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 189

LEWIS HEIGHTS HOUSING AREA

LEWIS HEIGHTS HOUSING AREA

1703 D	71133	FHACWH NCO ENL	1240	3	335	1704 C1	1704 C2	1704 C3							
1723 A1	71135	FHACWH NCO ENL	789	2	58	1701 B	1701 C	1701 D	1701 E	1702 B	1702 C	1702 D	1702 E	1703 C	1704 A1
						1704 A2	1704 A3	1704 A4	1704 B1	1704 B2	1704 B3	1704 B4	1704 C1	1704 C2	1704 C3
SURVEYED - 8832-1 KNIGHT ST.															

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FAMILY HOUSING LIST

FAMILY HOUSING UNIT SURVEYED

NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST	UNITS TYPIFIED BY SURVEYED UNIT									
						1714 A3	1714 A4	1714 B1	1714 B2	1714 B3	1714 B4	1714 C1	1714 C2	1714 C3	1714 C4
1715 A1	1715 A2	1715 A3	1715 A4	1715 B1	1715 B2	1715 B3	1715 B4	1715 C1	1715 C2	1715 C3	1715 C4	1715 D1	1715 D2	1715 D3	1715 D4
1715 C3	1715 C4	1716 A1	1716 A2	1716 A3	1716 A4	1716 B1	1716 B2	1716 B3	1716 B4	1716 C1	1716 C2	1716 C3	1716 C4	1716 D1	1716 D2
1716 C1	1716 C2	1716 C3	1716 C4	1717 A1	1717 A2	1717 A3	1717 A4	1717 B1	1717 B2	1717 C1	1717 C2	1717 C3	1717 C4	1717 D1	1717 D2
1717 B3	1717 B4	1717 C1	1717 C2	1717 C3	1717 C4	1718 A1	1718 A2	1718 A3	1718 A4	1718 B1	1718 B2	1718 C1	1718 C2	1718 C3	1718 C4
1718 B1	1718 B2	1718 B3	1718 B4	1718 C1	1718 C2	1718 C3	1718 C4	1719 A1	1719 A2	1719 B1	1719 B2	1719 B3	1719 B4	1719 C1	1719 C2
1719 A3	1719 A4	1719 B1	1719 B2	1719 B3	1719 B4	1719 C1	1719 C2	1719 C3	1719 C4	1720 A1	1720 A2	1720 A3	1720 A4	1720 B1	1720 B2
1720 C1	1720 C2	1720 C3	1720 C4	1721 A1	1721 A2	1721 A3	1721 A4	1721 B1	1721 B2	1721 C1	1721 C2	1721 C3	1721 C4	1721 D1	1721 D2
1721 C1	1721 C2	1721 C3	1721 C4	1722 A1	1722 A2	1722 A3	1722 A4	1722 B1	1722 B2	1722 C1	1722 C2	1722 C3	1722 C4	1722 D1	1722 D2
1722 B3	1722 B4	1722 C1	1722 C2	1722 C3	1722 C4	1723 A1	1723 A2	1723 A3	1723 A4	1723 B1	1723 B2	1723 C1	1723 C2	1723 D1	1723 D2
1723 B2	1723 B3	1723 B4	1723 C1	1723 C2	1723 C3	1723 C4	1724 A1	1724 A2	1724 A3	1724 B1	1724 B2	1724 B3	1724 B4	1724 C1	1724 C2
1724 A4	1724 B1	1724 B2	1724 B3	1724 B4	1724 C1	1724 C2	1724 C3	1724 C4	1725 B	1725 C	1725 D	1725 E	1726 A1	1726 A2	1726 A3
1726 B4	1726 C1	1726 C2	1726 C3	1726 C4	1727 A1	1727 A2	1727 A3	1727 A4	1727 B1	1727 B2	1727 B3	1727 B4	1727 C1	1727 C2	1727 C3
1727 B2	1727 B3	1727 B4	1727 C1	1727 C2	1727 C3	1727 C4	1728 A1	1728 A2	1728 A3	1728 B1	1728 B2	1728 B3	1728 B4	1728 C1	1728 C2
1728 A4	1728 B1	1728 B2	1728 B3	1728 B4	1728 C1	1728 C2	1728 C3	1728 C4	1729 A1	1729 B1	1729 C1	1729 D1	1729 E1	1729 F1	1729 G1
1729 A2	1729 A3	1729 A4	1729 B1	1729 B2	1729 B3	1729 B4	1729 C1	1729 D1	1729 E1	1729 F1	1729 G1	1730 A1	1730 A2	1730 A3	1730 A4
1729 C4	1730 A1	1730 A2	1730 A3	1730 A4	1730 B1	1730 B2	1730 B3	1730 B4	1730 C1	1730 D1	1730 E1	1730 F1	1730 G1	1731 A1	1731 B1
1730 C2	1730 C3	1730 C4	1731 A1	1731 A2	1731 A3	1731 A4	1731 B1	1731 C1	1731 D1	1731 E1	1731 F1	1731 G1	1732 A1	1732 B1	1732 C1
1731 B4	1731 C1	1731 C2	1731 C3	1731 C4	1732 A1	1732 A2	1732 A3	1732 A4	1732 B1	1732 C1	1732 D1	1732 E1	1732 F1	1732 G1	1733 A1
1733 A2	1733 A3	1733 A4	1733 B1	1733 B2	1733 B3	1733 B4	1733 C1	1733 C2	1733 C3	1733 D1	1733 E1	1733 F1	1733 G1	1734 A1	1734 B1
1733 C4	1734 A1	1734 A2	1734 A3	1734 A4	1734 B1	1734 B2	1734 C1	1734 D1	1734 E1	1734 F1	1734 G1	1735 A1	1735 B1	1735 C1	1735 D1
1734 C2	1734 C3	1734 C4	1735 A1	1735 A2	1735 A3	1735 A4	1735 B1	1735 C1	1735 D1	1735 E1	1735 F1	1735 G1	1736 A1	1736 B1	1736 C1
1735 B4	1735 C1	1735 C2	1735 C3	1735 C4	1736 A1	1736 A2	1736 A3	1736 A4	1736 B1	1736 C1	1736 D1	1736 E1	1736 F1	1736 G1	1737 A1
1736 B2	1736 B3	1736 B4	1736 C1	1736 C2	1736 C3	1736 C4	1736 D1	1736 E1	1736 F1	1736 G1	1737 A1	1737 B1	1737 C1	1737 D1	1737 E1
1737 A4	1737 B1	1737 B2	1737 B3	1737 B4	1737 C1	1737 C2	1737 C3	1737 C4	1737 D1	1737 E1	1737 F1	1737 G1	1738 A1	1738 B1	1738 C1
1738 A2	1738 A3	1738 A4	1738 B1	1738 B2	1738 B3	1738 B4	1738 C1	1738 D1	1738 E1	1738 F1	1738 G1	1739 A1	1739 B1	1739 C1	1739 D1
1738 C4	1739 A3	1739 A4	1739 A5	1739 A6	1739 B1	1739 B2	1739 C1	1739 D1	1739 E1	1739 F1	1739 G1	1740 A1	1740 B1	1740 C1	1740 D1
1739 C2	1739 C3	1739 C4	1739 C5	1739 C6	1740 A2	1740 A3	1740 A4	1740 A5	1740 B2	1740 C2	1740 D2	1740 E2	1740 F2	1740 G2	1740 H2
1740 B4	1740 C1	1740 C2	1740 C3	1740 C4	1740 D1	1740 D2	1740 D3	1740 D4	1740 E1	1740 F1	1740 G1	1740 H1	1741 A1	1741 B1	1741 C1

LEWIS HEIGHTS HOUSING AREA TOTAL NUMBER OF UNITS: 446

FAMILY HOUSING LIST

FAMILY HOUSING UNIT SURVEYED

FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO BDRM	YR CNST
2785 A	71115	FH NCO & ENL	1452	2	81

SURVEYED - 8454 WELLHOUSE CT S.

WOODLAWN VILLAGE HOUSING AREA

UNITS TYPIFIED BY SURVEYED UNIT					
2603 A	2603 B	2603 C	2600 D	2601 A	2601 B
2605 C	2605 D	2606 A	2606 B	2604 A	2604 C
2608 C	2608 D	2610 A	2610 B	2607 A	2607 C
2613 A	2613 B	2613 C	2613 D	2611 A	2611 C
2616 C	2616 D	2617 A	2617 B	2614 A	2615 A
2619 A	2619 B	2619 C	2619 D	2617 D	2618 A
2621 C	2622 A	2622 B	2622 C	2620 A	2620 C
2624 B	2625 A	2625 B	2626 A	2622 D	2623 A
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2632 A	2632 B	2633 A	2633 B	2634 A	2634 B
2636 A	2636 B	2637 A	2637 B	2637 C	2637 D
2639 A	2639 B	2639 C	2639 D	2640 A	2640 B
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2645 A	2645 B	2646 A	2646 B	2646 C	2646 D
2649 A	2649 B	2649 C	2649 D	2650 A	2650 B
2651 D	2652 A	2652 B	2653 A	2653 B	2653 C
2655 B	2655 C	2655 D	2656 A	2656 B	2656 C
2661 B	2661 C	2661 D	2662 A	2662 B	2662 C
2664 B	2664 C	2664 D	2665 A	2665 B	2665 A
2667 C	2667 D	2668 A	2668 B	2668 C	2668 D
2670 B	2671 A	2671 B	2671 C	2672 A	2672 B
2673 C	2673 D	2674 A	2674 B	2675 A	2675 B
2677 A	2677 B	2677 C	2677 D	2678 A	2678 B
2680 A	2680 B	2680 C	2680 D	2681 A	2681 B
2683 A	2683 B	2683 C	2683 D	2684 A	2684 B
2686 C	2686 D	2687 A	2687 B	2687 C	2687 D
2700 B	2700 C	2700 D	2701 A	2701 B	2701 C
2703 A	2703 B	2704 A	2704 B	2705 A	2705 B
2707 C	2708 A	2708 B	2708 C	2708 D	2710 A
2711 C	2711 D	2712 A	2712 B	2713 A	2713 B
2715 A	2715 B	2716 A	2716 B	2717 A	2717 B
2718 C	2719 A	2719 B	2719 C	2719 D	2720 A
2730 D	2731 A	2731 B	2731 C	2731 D	2732 A
2733 D	2734 A	2734 B	2735 A	2735 B	2735 C

FAMILY HOUSING LIST						
FAMILY HOUSING UNIT SURVEYED				UNITS TYPIFIED BY SURVEYED UNIT		
FAC NO.	CAT CODE	DESIGNATION	SQ FT	NO	YR CNST	BDRM
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		2740 A	2740 B	2750 A	2750 B	2750 C
		2752 B	2753 A	2753 B	2753 C	2753 D
		2756 A	2756 B	2757 A	2757 B	2758 A
		2759 C	2759 D	2760 A	2760 B	2760 C
		2770 A	2770 B	2770 C	2771 A	2771 B
		2773 B	2773 C	2773 D	2774 A	2774 B
		2776 B	2780 A	2780 B	2780 C	2781 A
		2783 A	2783 B	2784 A	2784 B	2785 B
		2787 B	2787 C	2787 D		

WOODLAWN VILLAGE HOUSING AREA TOTAL NUMBER OF UNITS: 444

FORT BELVOIR - TOTAL NUMBER OF FAMILY HOUSING UNITS: 2093

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-21-95

FACILITY NO.:	1 GEN's QTRS	Year Const:	1935	
No of Occupants	6 BDR / 4 1/2 BATH	Function	FAMILY HOUSING BELVOIR DRIVE	
Operating Hours:	24 HR - 365 DAYS/YR			
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR KIT SINK	9.5 9.5	4 1	
2 Utility Sinks				
3 Water Closets	AM. STP	LPF 13.2	4	
4 Urinals				
5 Shower Heads	FLOW CONTROL	LPM 7.0	3	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO. :	#150 5909 20th Street	Year Const:	1931	
No of Occupants	48DR/1.75 BATH	Function	FAMILY HOUSING	
		Operating Hours:	24 HRS/365 DAYS/YR	
GERBER VILLAGE				
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks KIT SINK	AERATOR AERATOR	9.5 9.5	2 1	
2 Utility Sinks				
3 Water Closets	AM. STD	LPM 13.23	2	
4 Urinals				
5 Shower Heads	FLOW CONTROL	LPM 7.6	2	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

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FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 417 B (DUPLEX) Year Const: 1955
5427 ROSELL LOOP Function FAMILY HOUSING

No of Occupants 4BDR / 2BATH Operating Hours: 24 HRS / 365 DAYS / YR
ROSSELL LOOP VILLAGE

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	<u>AERATOR</u> <u>KIT SINK</u> <u>NO AERATOR</u>	<u>9.5</u> <u>13.23</u>	<u>2</u> <u>1</u>	
2 Utility Sinks				
3 Water Closets	<u>AM STD</u>	<u>LPF</u> <u>13.2</u>	<u>2</u>	
4 Urinals				
5 Shower Heads	<u>FLOW CONTROL</u>	<u>LPM</u> <u>7.6</u>	<u>2</u>	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

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FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO. :	455 B 5457 TADWIN LOOP	Year Const:	1955	
No of Occupants	3 BDR/2 BATH TADWIN VILLAGE	Function	FAMILY HOUSING	
		Operating Hours:	24 HRS/365 DAYS/YR	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
KIT SINK	AERATOR	9.5	1	
2				
Utility Sinks				
LAUND TUB (BASEMENT)	NO AERATOR	15.4	1	
3		LPF		
Water Closets	AM STD	13.2	2	
4		E		
Urinals				
5		LPM		
Shower Heads	FLOW CONTROL	7.6	2	
6				
Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

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FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.:	T-468 468A JAPWIN LOOP	Year Const:	1921	
No of Occupants	3 BDR / 1.5 BATH	Function	FAMILY HOUSING	
		Operating Hours:	24 HRS / 365 DAYS / YR JAPWIN VILLAGE	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR NO AERATOR	9.5 15.2	1 1	
KIT SINK	AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	AM STD	LPF 13.23	2	
4 Urinals				
5 Shower Heads	FLOW CONTROL	LPM 9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes FULL BATH UNDER RENOVATION				

SYSTEMS CORP

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FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-21-95

FACILITY NO.:		522A (COOPLEX) 10401 FORNEY COOP	Year Const:	1960	
No of Occupants		3 BDR / 1 1/2 BATH	Function	FAMILY HOUSING FAIRFAX VILLAGE	
			Operating Hours:	24 HRS / 365 DAYS/YR	
Number Type	Existing Fixture System Description		LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR KIT SINK AERATOR		9.5 9.5	2 1	
2 Utility Sinks					
3 Water Closets	RHEEM - RICHMOND RHEEM - RICHMOND		19 13.2	1 1	
4 Urinals					
5 Shower Heads	FLOW CONTROL		LPM 7.6	1	
6 Dishwashers					
Sinks					
Ice Makers					
Additional Notes					

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FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO. : <u>810 C (DUPLEX)</u> <u>5895 PETERSON LOOP</u>		Year Const: <u>1950</u>		
No of Occupants <u>2 BDR/1 BATH</u>		Function <u>FAMILY HOUSING</u> Operating Hours: <u>24 HRS/365 DAYS/YR</u> <u>COLVER VILLAGE</u>		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	1	
KIT SINK	AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	AM. STD (#4078) TANK	LPF 13.2	1	
4 Urinals				
5 Shower Heads	Flow control	LPM 13.2	1	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

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FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 902 C (QUADRPLEX) Year Const: 1956
 9616 BARLOW RD Function: FAMILY HOUSING
 No of Occupants 3BDR/ 1 BATH Operating Hours: 24 HRS/ 365 DAYS/YR
 DOGUE CREEK

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	1	
KIT SINK	AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	AM STD	LPM	6	1
4 Urinals				
5 Shower Heads	WATER SAVER	LPM	9.5	1
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

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FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO. :		924-B (TWNHSE) Year Const:	1956		
		9623 MALONEY RD	Function	FAMILY HOUSING	
No of Occupants		ZBDR / 1BATH	Operating Hours:	24 HRS./365 DAYS/YR DOGUE CREEK	
Number Type	Existing Fixture System Description		LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR		9.5	1	
KIT SINK	AERATOR		9.5	1	
2 Utility Sinks					
3 Water Closets	AM STD		LPF 15.2	1	
4 Urinals					
5 Shower Heads	FLOW CONT THRO		9.5	1	
6 Dishwashers					
Sinks					
Ice Makers					
Additional Notes					

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FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 1533 A
9170 MILLER RD

Year Const: 1960

Function FAMILY HOUSING

No of Occupants 3 BDR / 1.5 BATH

Operating Hours: 24 HRS / 365 DAYS / YR
G.W. VILLAGE

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR AERATOR	9.5 9.5	2 1	
2 Utility Sinks				
3 Water Closets	RHEEM - RICHMOND F.T. AM STD (4078) TANK	LPF 13.2 13.2	1 1	
4 Urinals				
5 Shower Heads	FLOW CONTROL	LPM 13.2	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

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FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO. :	1641 B 5424 YORK RD	Year Const:	1960
No of Occupants	3 BDR / 1.5 BATH	Function	FAMILY HOUSING
		Operating Hours:	24 HRS / 365 DAYS / YR RIVER VILLAGE
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity
1 Lavatory Sinks	AERATOR NO AERATOR KIT SINK AERATOR	9.5 22.7 9.5	1 1 1
2 Utility Sinks			
3 Water Closets	RHEEM - RICHMOND F.T. AM STD (4078) TANK	LPF 13.2 13.2	1 1
4 Urinals			
5 Shower Heads	FLOW CONTROL	LPM 13.2	1
6 Dishwashers			
Sinks			
Ice Makers			

Additional Notes

SYSTEMS CORP

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FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 1702F (6-PLEX)		Year Const: 1958		
		Function FAMILY HOUSING		
No of Occupants	2 BDR / 1.5 BATH	Operating Hours: 24 HRS / 365 DAYS/YR LEWIS HEIGHTS		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
KIT SINK	AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	U. P. C.	LPM		
13.2	2			
4 Urinals				
5 Shower Heads	FLOW CONTROL	LPM		
		7.6	1	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: <u>1703 D (QUADPLEX)</u>		Year Const: <u>1958</u>		
		Function <u>FAMILY HOUSING</u>		
No of Occupants	<u>2 BDR / 1.5 BATH</u>	Operating Hours: <u>24 HRS / 865 DAYS/YR</u>		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
KIT SINK	AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	U. P. C.	6PF 13.2	2	
4 Urinals				
5 Shower Heads	FLOW CONTROL	LPM 7.6	1	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

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FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 1723 A 1 TRI PLEX w/12 UNITS Year Const: 1958
8832-1 KNIGHT ST Function FAMILY HOUSING
No of Occupants 2 BDR/1 BATH Operating Hours: 24 HRS/365 DAYS/X12
Lewis Heights

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	1	
	KIT SINK	9.5	1	
2 Utility Sinks				
3 Water Closets	U.P.C.	LPM		
		13.2	1	
4 Urinals				
5 Shower Heads	FLOW CONTROL	LPM 6.6	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO. : <u>2785 A (DUPLEX)</u> <u>8434 WELLHOUSE</u>		Year Const: <u>1981</u>		
No of Occupants <u>4BED, 2.5 BATH</u>		Function <u>FAMILY HOUSING</u>		
		Operating Hours: <u>24 HRS/365 DAYS/YR</u>		
		WOODLAWN VILLAGE		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks KIT SINK	AERATOR AERATOR -	9.5 9.5	3 1	
2 Utility Sinks				
3 Water Closets	AM. STD	LPM 13.2	3	
4 Urinals				
5 Shower Heads	FLOW CONTROL	LPM 7.6	2	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

Non-Family Housing

Non-Family Housing
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NON-FAMILY HOUSING

FAC NO.	CAT CODE	DESIGNATION	SQ FTG	SEC UNT	YR CNST	COMMENTS
20	74048	Off Opn Din/trns Qtrs	69086	40 Pn	34	
65	75030	Outdr Swim Pool		1 Ea	59	
81	72411	Off Qtr Trans	16800	46 Pn	48	
182	74072	Indr Swim Pool	11236	170000 Ga	75	
187	61050	Admin Gen Purp	6880		40	
189	21430	Veh Mnt Sh Gs	9770		40	
190	21430	Veh Mnt Sh Gs	8560		39	
191	73010	Fire Stn/admin	10475		34	
200	74068	Recreation Ctrs	26256		74	
201	61050	Admin Gen Purp	32290		28	
202	17120	Gen Inst Bldg	45174		28	
204	17120	Gen Inst Bldg	25696		28	
211	72111	Enl Bk W/o Din	30328	100 Pn	40	
214	17120	Gen Inst Bldg	39952		41	
215	44270	Gen Storehouse	30000		41	
216	61040	Civ Pers Bldg	24456		32	
219	61027	Fin Admin Bldg	23335		31	
219	74076	Thtr W/ Dress Rm	7935	400 Seat	31	
220	17120	Gen Inst Bldg	78842		52	
221	61050	Admin Gen Purp	4893		52	
222	17160	Tng Aids Center	4893		52	
226	17120	Gen Inst Bldg	48980		57	
235	14183	Bn Hq Bldg	2613		65	
238	74084	Class Vi Store	13740		58	
246	13180	Tele Exch Bldg	11767		51	
247	17120	Gen Inst Bldg	148067		52	
256	73073	Po Main	8823		35	
257	61050	Admin Gen Purp	16756		35	
258	61027	Fin Admin Bldg	6427		35	
259	75032	Outdr Swim Bldg	2156	1 Ea	80	
268	61012	Div Hq Bldg	12960		35	
270	61065	Tech Library	15229		35	
303	61060	Admin Bldg R&d	2112		59	
305	31740	Elctron Eqp Fac	97910		78	
307	31920	Lab Gen Purp	19102		70	
309	31920	Lab Gen Purp	38400		70	
316	61060	Admin Bldg R&d	23970		42	
317	31740	Elctron Eqp Fac	16365		42	
318	31920	Lab Gen Purp	15597		43	
319	74076	Thtr W/dress Rm	8235		42	
320	17120	Gen Inst Bldg	17965		42	
322	31920	Lab Gen Purp	11318		44	
323	31920	Lab Gen Purp	11869		42	
324	31920	Lab Gen Purp	22715		42	

NON-FAMILY HOUSING

FAC NO.	CAT CODE	DESIGNATION	SQ FTG	SEC UNT	YR CNST	COMMENTS
325	31920	Lab Gen Purp	11975		42	
326	31740	Elctron Eqp Fac	12242		42	
328	21410	Veh Mnt Sh Org	11487	1 Ve	42	
329	21712	Elc/com Cal Fac	11487		42	
330	21910	Fe Facility	11487		42	
331	32110	Prec Mach Shop	68940		42	
333	31310	Sp Mar Eqp Bldg	11487		42	
334	31920	Lab Gen Purp	14571		42	
337	61050	Admin Gen Purp	8287		42	
353	31920	Lab Gen Purp	9000		59	
357	31920	Lab Gen Purp	49958		65	
361	61031	Adp Building	12925		52	
362	31090	Other	17364		52	
363	31020	Metallurgy Lab	30975			
365	61031	Adp Building	4840		53	
367	31920	Lab Gen Purp	49104		57	
371	17120	Gen Inst Bldg	13294		57	
374	61050	Admin Gen Purp	2064		60	
380	61021	Engr Admin Bldg	5856		65	
392	31720	Detect Eqp Fac	33000		79	
399	31920	Lab Gen Purp	38566		72	
435	73017	Post Chapel	3583	35 Seat	41	
470	72411	Off Qtrs Trans	108918	225 Pn	75	
505	72111	Enl Bk W/o Din	22065	60 Pn	56	
506	72111	Enl Bk W/o Din	22065	60 Pn	56	
507	72411	Off Qtrs Trans	19008	42 Pn	69	
610	53040	Vet Clinic	5728			
612	22840	Print Pl	10500		40	
630	44220	Gen Purp Whse/admin	13680		44	
708	44220	Gen Purp Whse	9660		46	
711	44220	Gen Purp Whse	14280		46	
714	61050	Admin Gen Purp	12541		60	
801	72111	Enl Bk W/o Din	22220	129 Pn	77	
802	61050	Admin Gen Purp	3000		77	
806	72120	Enl Barracks Troop	16500	10 Pn	59	
807	72120	Enl Barracks Troop	12246	16 Pn	59	
808	51010	Hospital	260245	380 Bd	57	
815	51020	Clinic	17328	81 Bd	58	
1000	61040	Civ Pers Bldg	4433		40	
1001	61050	Admin Gen Purp	10134		45	
1003	74066	Youth Center	19411			
1018	73017	Post Chapel	13500	60 Pn	56	
1024	74041	Library Main	17680			
1028	74014	Child Supp Ctr/r Ed	30188		49	

NON-FAMILY HOUSING

FAC NO.	CAT CODE	DESIGNATION	SQ FTG	SEC UNT	YR CNST	COMMENTS
1084	43210	Cold Stor Whse	15755	7512 Cf	41	
1099	54010	Dental Clinic	13272		70	
1108	44270	Gen Storehouse	10000		55	
1116	21885	Mnt Sh Gen Purp	18660		56	
1132	21885	Mnt Sh Gen Purp	16896		41	
1147	74065	Morale Supp off	3517		42	
1148	21885	Mnt Sh Gen Purp	4000		42	
1150	61030	Exch Admin Bldg	3445		34	
1154	73031	Fixed Dry Clg Pl	2896		41	
1161	74071	Red Cross Bldg	3302		55	
1163	74062	Snack Bar	510		77	
1166	44220	Gen Purp Whse	2925		88	
1182	74028	Phys Fit Center	24786		47	
1194	74006	Bank	5050		67	
1195	74023	Credit Union	4254		69	
1199	74011	Bowling Center	20310		65	
1200	74047	Open Dining Nco	25369		65	
1414	17120	Gen Inst Bldg	80720		45	
1415	17120	Gen Inst Bldg	34842		45	
1416	17120	Gen Inst Bldg	24475		53	
1417	17120	Gen Inst Bldg	39216		45	
1419	17120	Gen Inst Bldg	29326		45	
1420	17120	Gen Inst Bldg	37418		53	
1425	61050	Admin Gen Purp	15480		60	
1434	17120	Gen Inst Bldg	31203		63	
1436	17130	Appl Inst Bldg	12320		70	
1439	61050	Admin Gen Purp	1500		58	
1442	61050	Admin Gen Purp	26400		66	
1444	61050	Admin Gen Purp	4960		67	
1445	61050	Admin Gen Purp	51640	19 Pn	69	
1462	74022	Skill Dev Cen	18206		73	
1464	61050	Admin Gen Purp	78138		58	
1465	61050	Admin Gen Purp	75558		56	
1466	61050	Admin Gen Purp	69838		56	
1467	55010	Clinic W/o Beds	3500		39	
1468	61050	Admin Gen Purp	3440		39	
1469	61050	Admin Gen Purp	3475		39	
1471	61050	Admin Gen Purp	2566		57	
1472	73078	Info Stand	984		79	
1496	44270	Gen Storehouse	4080		66	
1801	74006	Bank	2000		70	
1804	73017	Post Chapel	3599	35 Se	41	
1809	61050	Admin Gen Purp	26000		61	
1822	72210	Enl Pers Dine/admin	39195	250 Pn	68	

NON-FAMILY HOUSING

FAC NO.	CAT CODE	DESIGNATION	SQ FTG	SEC UNT	YR CNST	COMMENTS
1824	73017	Post Chapel	3580	35 Se	41	
1906	21410	Veh Mnt Sh Org	5360		81	
1949	21410	Veh Mnt Sh Org	12360		63	
1950	21410	Ven Mnt Sh Org	4115		63	
1955	55010	Clinic W/o Beds	1920		80	
1982	72321	Det Latrine Bldg	267		79	
2102 a	72111	Enl Bk W/o Din	4830	24 Pn	75	
2102 B	72111	Enl Bk W/o Din	4830	24 Pn	75	
2102 C	72111	Enl Bk W/o Din	4830	24 Pn	75	
2102 D	72111	Enl Bk W/o Din	4830	24 Pn	75	
2102 E	72111	Enl Bk W/o Din	4830	16 Pn	75	
2102 F	72111	Enl Bk W/o Din	4830	24 Pn	75	
2105	72330	Adm & Sup Bldg	14290		75	
2115	55010	Clinic W/o Beds	4085		75	
2116	74028	Phys Fit Center	25920		75	
2118	14185	Co Hq Bldg	4944		75	
2119	73010	Fire Station	8400			
2302	74021	Commissary	117000		82	
2310	13180	Tel Exch Bldg	41652		86	
2393	17121	Indr Fire Rg	9234		71	
2462	61050	Def Log Agency	804867	500 Pn		
2470	17140	Army Res Center	48600		75	
2901	74030	Golf Club House				
2920	74030	Golf Club House	11735			
2990	44285	Salv & Sur Prop	15836		81	
3121	21111	Mnt Hangar Avim	21796		81	
3123	17180	Ng Armory	27000	100 Pn		
3126	21120	Ac Comp Mnt Shp	17699		60	
3128	14110	Af Ops Bldg	2590		84	
3136	14110	Af Ops Bldg	11760		66	
3137	14110	Af Ops Bldg	1103		55	
3138	82121	Hipr Bl+3.5m Ol		22.3 Mb	55	
3141	21120	Ac Comp Mnt Shp	2600		55	
3145	21111	Mnt Hangar Avim	24502		70	
3146	17112	Flight Sim Bldg	8040		79	
3151	21111	Mnt Hangar Avim	35091		61	
3165	61050	Admin Gen Purp	15246		76	
3230	13310	Flt Con Tow Hd	2800		58	
3231	21111	Mnt Hangar Avim	20588		58	
3232	21111	Mnt Hangar Avim	14760		60	
3234	14110	Af Ops Bldg	2000		58	
3235	14112	Avn Ops Bldg	4500		58	
3237	14111	Af Fire Rsq Sta	5226		58	

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 20 (LEVEL ONE)

Year Const:

Function

CLUB

No of Occupants

8

Operating Hours:

24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	14	
2 Utility Sinks BAR SINK	AERATOR	9.5	3	
3 Water Closets	FLUSH VALVE	17.0	11	
4 Urinals	FLUSH VALVE	11.4	3	
5 Shower Heads	FLOW CONTROL	9.5	5	
6 Dishwashers DISHWASHER SINKS	GLASS WASHER LARGE		1	1
Ice Makers				

Additional Notes

OPERATES 11:00AM - 11:30PM.

POOL PUMP 1.5 HP.

1 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 20 (LEVEL 2)

Year Const:

Function

CLUB

No of Occupants 21

Operating Hours:

7:30AM - 10:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	8.5	7	
2 Utility Sinks				
BAR SINK	NO AERATOR	16.1	1	
3 Water Closets	FLUSH VALVE	17.0	7	
4 Urinals	FLUSH VALVE	11.4	3	
5 Shower Heads				
6 Dishwashers				
PRE RINSE Sinks	NO AERATOR	5	1HW.25	
Ice Makers			2	

Additional Notes

NEED NEW WATER FILTER.

2023

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 20 (LEVEL 3)

Year Const:

Function OFFICERS CLUB

No of Occupants 8

Operating Hours: 11:30AM - 8:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals	FLUSH VALVE	11.4	1	
5 Shower Heads				
6 Dishwashers			1	
PRE-RINSE Sinks	2 COMP NO AERATOR	16.1	4	
Ice Makers			1	

Additional Notes

2 MEALS DAY. 150 PEOPLE EACH MEAL.

11:30 AM - 8:00 PM. - DISHWASHER IS IN OPERATION.

LEVEL 3

3 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY					
FIELD SURVEY SHEET			DATE: 6-23-95		
FACILITY NO.:	20		Year Const:		
No of Occupants	12 RMS.		Function	OFC. TRANS. QTRS	
			Operating Hours:	24 HOURS	
Number Type	Existing Fixture System Description		LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR		9.5	13	
KIT. SINK	AERATOR		9.5	12	
2 Utility Sinks					
3 Water Closets	KOHLER F.T. FLUSH VALVE SLOAN.		17.0	12	
4 Urinals			17.0	1	
5 Shower Heads	FLOW CONTROL		9.5	12	
6 Dishwashers					
Sinks					
Ice Makers					
Additional Notes					

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 65*

Year Const:

Function POOL

No of Occupants 342*

Operating Hours: 12 - 8PM WK DAY, 15 - 8PM WK EN

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL HANDLE NOAERATOR NOAERATOR DUAL CONTROL AERATOR	16.1 16.1 9.5	5 1 4	
2 Utility Sinks	DUAL CONTROL NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	170.	11	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads	FLOW CONTROL FLUSH VALVG SHOWER FOR POOL	9.5 5.7	11 4	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SIMILAR TO BLDGS: 66 ~~67, 68, 69, 70, 71, 75~~ 69, 71, 75

POOL CAPACITY.

SYSTEMS CORPSystems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 81

Year Const:

Function VISITING OFFICE QTRS.

No of Occupants 22 TLT RMS.

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	46	
2 Utility Sinks	AERATOR	22.7	2	
3 Water Closets	TANK TYPE	17.0	22	
4 Urinals				
5 Shower Heads	FLOW CONTROL	9.5	22	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

BLDG 80 IS IDENTICAL

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 182

Year Const:

Function INDOOR POOL

No of Occupants 1735

Operating Hours: 9:00 AM - 7:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	8	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads	FLOW CONTROL	9.5	8	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

POOL CAPACITY

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 187

Year Const:

Function MAINT. SHOP

No of Occupants 6

Operating Hours: 7:30 A.M. - 4:30 P.M.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	2	
KIT SINK	AERATOR	9.5	1	
LAVATORY	AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	AMERICAN STANDARD FLUSH VALVE	17.0	3	
4 Urinals	STANDARD' FLUSH VALVE	5.7	3	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.:	189	Year Const:		
No of Occupants	23	Function	DRIVE TESTING	
		Operating Hours:	5:30 AM - 8:00 PM. MON-FRI	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	4	
KIT. SINK	AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	3	
4 Urinals	FLUSH VALVE	11.4	2	
5 Shower Heads	FLOW CONTROL	9.5	3	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 190

Year Const:

Function GARAGE SPACE

No of Occupants 0

Operating Hours: 0

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL VALVE, NO AERATOR	11.4	3	
2 Utility Sinks				
3 Water Closets	AMERICAN STD. FLUSH VALVE	17.0	2	
4 Urinals	STD FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO. :	191	Year Const:		
No of Occupants	5	Function	FIRE STATION	
		Operating Hours:	24 HRS.	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AGRATOR	9.5	5	
2 Utility Sinks	NO AERATOR	45.4	2	
3 Water Closets	FLUSH VALVE TANK TYPE	17.0 17.0	4 1	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads	NO FLOW CONTROL FLOW CONTROL	13.2 9.5	2 1	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				
4 TRUCKS WASHED EACH WEEK 30 MIN. DURATION.				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 200

Year Const:

Function REC. CENTER

No of Occupants 11

Operating Hours: 8:00AM - 10:00PM (M-TUE)

8:00 AM - 11:00PM (FRI-SA)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR NO AERATOR	9.5 11.4	4 4	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	12.0	7	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads				
6 Dishwashers				
WAND Sinks	FLOW CONTROL KIT. SINK DUAL CONT. AERATOR	9.5 \$11.4	1 3	
Ice Makers	MAN. TWO OC SERIES 6000		1	

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 201 (LOWER)

Year Const:

Function

ADMIN.

No of Occupants

41

Operating Hours:

6:00 AM. - 6:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCETS, NO AERATOR	16.1	3	
2 Utility Sinks				
3 Water Closets	TANK TOP	17.0	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

ZoF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 201 (MAIN)

Year Const:

Function ADMIN.

No of Occupants 23

Operating Hours: 6:00 AM - 6:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	12.0	4	
4 Urinals	FLUSH VALUE	11.4	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 201 (UPPER)

Year Const:

Function ADMIN.

No of Occupants 49

Operating Hours: 6:00AM - 6:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	4	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

3 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 202 (LOWER)

Year Const:

Function G & A

No of Occupants 18

Operating Hours: 6:00 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	1	
	DUAL CONTROL AERATOR	9.5	4	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17.0	4	
4				
Urinals	FLUSH VALVE	5.7	2	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 of 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 202 (MAIN)

Year Const:

Function G & A

No of Occupants 31

Operating Hours: 6:30am - 5:30pm

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals	FLUSH VALVE	57	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

20F3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 202 (UPPER)

Year Const:

Function

SUPER

No of Occupants 60

Operating Hours: 7:30AM - 4:30PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	INDIVIDUAL CONTROL AERATOR	8.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

3 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 204 LOWER *

Year Const:

Function GEN. ADMIN.

No of Occupants 12 FIRST SHIFT.
3 SECOND

Operating Hours: 6:30AM - 11:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	KITCHEN SINK AERATOR DUAL CONTROL AERATOR	9.5 9.5	1 1	
2 Utility Sinks				
3 Water Closets	TANK TYPE	17.0	1	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 3

* BLDG 204 TYPICAL FOR 203(EMPTY), 205, 206, 207, 208, & 209

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 204 (MAIN)

Year Const:

Function GA / CLASS ROOMS.

No of Occupants 8 STAFF, 60 STUDENTS~~STAFF~~ Operating Hours: 8:00AM - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals				
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* BASED ON DAILY ATTENDANCE

20F3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 5-23-95

FACILITY NO.: 204 (UPPER)

Year Const:

Function

CRA/CLASS

No of Occupants 68

Operating Hours: 8:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	8	
2 Utility Sinks	NO AERATOR	49.4	2	
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads	FLOW CONTROL	9.5	5	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

BASED ON DAILY ATTENDANCE

30P3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-85

FACILITY NO.: 211^A LOWER

Year Const:

Function

GEN. ADMIN.

No of Occupants 4

Operating Hours: 6:30 AM - 5:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	9	
2 Utility Sinks	DUAL COMP. NO AERATOR	48.4	5	
3 Water Closets	FLUSH VALVE	17.0	6	
4 Urinals	FLUSH VALVE	5.7	6	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

^A SIMILAR TO 210, ~~211~~ & 212

1 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 211 MAIN		Year Const:		
		Function		
No of Occupants	17	Operating Hours:	6:30 - 8:30 PM	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR DUAL FAUCET, NO AERATOR AERATOR	5.7 15.1 9.5	2 1 7	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	10	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL NO FLOW CONTROL	9.5 12.1	6 6	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes 20F3				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 211 UPPER

Year Const:

Function

No of Occupants 30

Operating Hours: 6:30AM - 5:30PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL FAUCET NO AERATOR DUAL CONTROL NO AERATOR	16.1 16.1	3 9	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets	FLUSH VALVE	17.0	9	
4				
Urinals	FLUSH VALVE	5.7	5	
5				
Shower Heads	FLOW CONTROL	11.4	8	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

30F3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 214

Year Const:

Function GEN. INSTR. BLDG.

No of Occupants 60 STAFF / 96 STUDENTS * Operating Hours: 6:30AM - 12:00AM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1	DUAL CONTROL. NO AERATOR	11.4	1	
Lavatory Sinks	AERATOR	9.5	12	
DARK ROOM	AERATOR	9.5	10	
LAVATORY				
2	NO AERATOR	45.4	2	
Utility Sinks				
3	FLUSH VALVE	17.0	10	
Water Closets				
4	FLUSH VALVE	5.7	8	
Urinals				
5	FLOW CONTROL	7.0	2	
Shower Heads				
6				
Dishwashers				
Sinks	TRough. MANUAL NO AERATOR (NEVER USES)	11.4	1	
Ice Makers				

Additional Notes

- * APPROXIMATE ONE DAY.
- SEWER LINE BACKUP.
- SEVERAL PIPING LEAKS.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 215

Year Const:

Function

WHOLE SALE

No of Occupants 12

Operating Hours: 7:00AM - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	3	
2 LAVATORYS	WHOSE HANDLES DO NOT WORK		2	-
2 COMP.	AERATOR	9.5	2	
DARK ROOM	AERATOR	9.5	1	
2				
Utility Sinks	NO AERATOR	45.4	2	
3				
Water Closets	FLUSH VALVE	17.0	6	
4				
Urinals	FLUSH VALVE	11.4	4	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 216

Year Const:

Function FLAGLER HALL

No of Occupants 120

Operating Hours: 9:00AM - 4:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	11	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	7	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 219 (LOWER)

Year Const:

Function ADMIN.

No of Occupants 8

Operating Hours: 7:30 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL HANDLE AERATOR DUAL FAUCET NO AERATOR	9.5 16.1	1 2	
2 Utility Sinks				
3 Water Closets	TANK TYPE	17.0	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 219 13

Year Const:

Function

ADMIN.

No of Occupants

Operating Hours:

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR DUAL CONTROL AERATOR	9.5 9.5	3 2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE TOP	17.0 17.0	4 1	
4 Urinals	FLUSH VALVE	5.7	2	.50 LPM
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 219 (MAIN)

Year Const:

Function

No of Occupants 50

Operating Hours: 7:30 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	7	
2 Utility Sinks				
3 Water Closets	TANK TYPE	1	9	
4 Urinals	FLUSH VALVE	11.4	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 219 (UPPER)

Year Const:

Function

No of Occupants

60

Operating Hours: 7:30 AM - 6:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	0.5	3	-
2 Utility Sinks				
3 Water Closets	TANK TYPE FLUSH VALVE	17.0 12.0	3 1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

3 OF 3

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 10-25-95

FACILITY NO.: 220

Year Const:

Function

WHEELER HALL

No of Occupants 80 STAFF/100 STUDENTS & Operating Hours: 6:30 AM - 9:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	25	
2 Utility Sinks	NO AERATOR	45.4	3	
3 Water Closets	FLUSH VALVE	17.0	25	
4 Urinals	FLUSH VALVE	5.7	25	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

BS

APPOXIMATE ATTENDENCE

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 221

Year Const:

Function

VISUAL INFO.

No of Occupants 5 STAFF / 30 NON STAFF Operating Hours: 7:45 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

BS ON DAY AVERAGE

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 222

Year Const:

Function

VISUAL INFO

No of Occupants 35 STAFF / 50 NON STAFF & Operating Hours: 7:45 A.M. - 5:00 P.M.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

ON DAY AVERAGE

BLDG. 222 SIMILAR TO BLDG. 223.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 226

Year Const:

Function GEN. INSTR. BLDG.

No of Occupants 50

Operating Hours: 7:30 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	15	
2 Utility Sinks	A			
3 Water Closets	FLUSH VALVE	17.0	13	
4 Urinals	FLUSH VALVE	5.7	13	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

A JAN. CLOSET IN ACCESSIBLE.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 235

Year Const:

Function

HEAD QUARTER BLDG

No of Occupants 9

Operating Hours:

8:30 - 4:30pm (MON, WED, FRI)
7:30 - 4:30pm (TUES, THUR)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 238

Year Const:

Function PET STORE

No of Occupants 14

Operating Hours: 9:00 AM - 7:00 PM (M-F)
12:00 - 4:00 PM (SAT)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET NO AERATOR DUAL FAUCET CONTROL NO AER	16.1 9.5	2 2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals	FLUSH VALVE	11.4	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers			1	

Additional Notes

EEAP

WASH 12 DOG/DAY IN REGULAR BATH TUB.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 246

Year Const:

Function TELEPHONE EXCHANGE

No of Occupants 16

Operating Hours: 7:00AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	11.4	5	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 247

Year Const:

Function HUMPHREYS HALL

No of Occupants 150 STAFF / 360 STUDENTS * Operating Hours: 7:30 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	35	
2 Utility Sinks	NO AERATOR	45.4	9	
3 Water Closets	FLUSH VALVE	17.0	30	
4 Urinals	FLUSH VALVE	5.7	16	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* APPROXIMATE ATTENDANCE

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 256

Year Const:

Function

POST OFFICE

No of Occupants 17

Operating Hours: 9:00 AM - 5:00 PM (MON-FRI)

9:00 AM - 1:00 PM (SAT)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROLS NO AERATOR	15.2	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals	5' TROUGH, MANUAL	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks	2' TROUGH. MANUAL NO AERATOR (NEVER USE)	11.4	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 257

Year Const:

Function

ADMIN.

No of Occupants 40

Operating Hours: 7:30AM - 4:30PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals	FLUSH VALVE	11.5	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 258

Year Const:

Function

ADMIN.

No of Occupants 17

Operating Hours: 7:00 AM. - 3:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	TANK TYPE TANK TYPE	17.0 17.0	1 3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 259

Year Const:

Function BATH HOUSE W/ WATER TIMER

No of Occupants 5

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	15.2	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	12	
4 Urinals	FLUSH VALVE	7.0	7	
5 Shower Heads	FLOW CONTROL 20 SEC. TIMER	130	7	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 268

Year Const:

Function

WILLIAMS HALL

No of Occupants 31

Operating Hours: 8:00AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	11.4	6	
2 Utility Sinks				
3 Water Closets	STANDARD FLUSH VALVE	17.0	7	
4 Urinals	AMERICAN STD. FLUSH VALVE	5.7	7	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 270

Year Const:

Function

THAYER HALL

No of Occupants 9

Operating Hours: 8:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	11.4	2	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.0	2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK. AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 303

Year Const:

Function

ADMIN.

No of Occupants 15

Operating Hours: 6:00 AM - 6:00 PM
7 DAY

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	3	(1).9 LPM
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	12.0	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.:	305	Year Const:		
No of Occupants	302	Function	ADMIN.	
		Operating Hours:	7:30 AM - 4:30 PM	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET LAVATORY SINK DUAL CONTROL	1.9 9.5	18 4	
2 Utility Sinks	NO AERATOR	45.4	4	
3 Water Closets	FLUSH VALVE	17.0	20	
4 Urinals	FLUSH VALVE	5.7	13	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.:	307	Year Const:		
No of Occupants	45	Function	LAB	
		Operating Hours:	8:30 AM - 5 PM	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks LAB SINK	DUAL CONTROL WITH AERATOR	9.5	6 4	
2 Utility Sinks KITCHEN SINK		9.5	2	
3 Water Closets	FLUSH VALVE	17.0	6	
4 Urinals		5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes 11.4 LPM (cold water) FLUME HOOD				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. :	309	Year Const:		
No of Occupants	64	Function		
		Operating Hours:		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	8	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	8	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 316

Year Const:

Function

AD MIN

No of Occupants 65

Operating Hours: 6:00 AM - 6:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL COUNT	9.5	15	
KIT. SINK	SINGLE COUNT	9.5	3	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	15	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SIMILAR FOR BUILDINGS:

314, 315, 312

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO.: 317

Year Const:

Function

CAB

No of Occupants 15

Operating Hours:

6:30AM - 5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL SINGLE CONTROL	9.5 9.5	3 1	
2 Utility Sinks		45.4	1	
3 Water Closets	FLUSH VALVE	17.0	4	
4 Urinals		5.7	2	
5 Shower Heads	NO FLOW CONTROL	6	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

APPROX. 75 GPM 56.9 LPM 8 HOUR/DAY (LASER COOLING)

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-85

FACILITY NO.: 318

Year Const:

Function ENVIRONMENTAL CONTROL

No of Occupants 40

Operating Hours: 7:30 AM. - 5:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET. NO AERATOR	45.4	9	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	6	
4 Urinals	FLUSH VALVE	16.1	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 319

Year Const: _____

Function

No of Occupants 7

Operating Hours: 6:30 AM - 5:30 PM,

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 320

Year Const:

Function TRAINING OFFICE

No of Occupants 9*

Operating Hours: 7:00 AM - 4:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET, NO AERATOR	16.1	6	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.0	5	
4 Urinals	FLUSH VALVE	16.1	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* 20-30 PEOPLE IN CLASSES PER DAY.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO. :	322	Year Const:	
No of Occupants	15	Function	PA & ED TEST POLICY DIV.
		Operating Hours:	8AM - 5PM
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity
1 Lavatory Sinks	DUAL CONTROL	9.5	1
2 Utility Sinks		45.4	1
3 Water Closets	FLUSH VALVE	17.0	2
4 Urinals		5.7	1
5 Shower Heads			
6 Dishwashers			
Sinks			
Ice Makers			

Additional Notes

ENVIR. TEST CHAMBER: SINGLE PASS COOLING GOES TO WASTE, 2" CONN. APPROX. 113 LPM
 VACUUM PUMP: SINGLE PASS COOLING GOES TO DRAIN 1/4" CONN. APPROX 57 LPM

ENGINE HEADS COOLED WITH COOLING TOWER
 FIRE LINE AND MAKE-UP WATER HAVE BACK FLOW PREVENTION
 DOMESTIC WATER HAS NO BACKFLOW PREVENTION

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 323

Year Const:

Function POWER GEN. DIV.

No of Occupants 11

Operating Hours: 8AM - 5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	<u>DUAL CONTROL</u>	<u>9.5</u>	<u>4</u>	
2 Utility Sinks	<u>LAUNDRY TUB</u>	<u>45.4</u>	<u>1</u>	
3 Water Closets		<u>17.0</u>	<u>4</u>	
4 Urinals		<u>5.7</u>	<u>2</u>	
5 Shower Heads	<u>FLOW CONTROL</u>	<u>9.5</u>	<u>3</u>	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 324

Year Const:

Function TEST & EVALUATION DIV.

No of Occupants 15

Operating Hours: 8AM-5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1	Lavatory Sinks <u>DUAL CONTROL NO AERATOR</u>	17	2	
2	Utility Sinks			
3	Water Closets <u>FLUSH VALVE</u>	17.0	5	
4	Urinals <u>FLUSH VALVE</u>	5.7	2	
5	Shower Heads <u>NO FLOW CONTROL</u>	13.3	3	
6	Dishwashers			
	Sinks			
	Ice Makers			

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 325

Year Const:

Function WATER TECH. R&D TEAM

No of Occupants 15

Operating Hours: 8AM - 5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET	22.7	4	
2 Utility Sinks				
3 Water Closets	TANK FLUSH VALVE	19.0 17	1 2	
4 Urinals		11.4	2	
5 Shower Heads	NO FLOW CONTROL	15.2	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO.: 326

Year Const:

Function

WORK SHOP

No of Occupants 16

Operating Hours:

7:30 AM - 4 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	5	
2 Utility Sinks		45.4	1	
3 Water Closets	FLUSH	17	4	
4 Urinals		50.7	2	
5 Shower Heads		90.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 328

Year Const:

Function

VEH. MAINT.

No of Occupants 4

Operating Hours: 6:30 AM. - 4:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE AERATOR	9.5	5	
2 Utility Sinks	NO AERATOR	30.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	NO FLOW CONTROL	22.7	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 329

Year Const:

Function ELECT. CALIB SHOP/FIT. CTR.

No of Occupants 3

Operating Hours: 7:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	2	
	DUAL FAUCET WITH AERATOR.	9.5	3	(1) .9 LPM
	DUAL FAUCET	19	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	32	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

HALF OF BUILDING UNDER RENOVATION.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 330		Year Const:		
		Function	FE. WOOD SHOP	
No of Occupants 7		Operating Hours:	6:00 AM - 5:00 PM	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET	19	5	
KIT. SINK	DUAL CONTROL AERATOR	9.5	1	
2 Utility Sinks	NO AERATOR	19	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	NO FLOW CONTROL	19	1	
6 Dishwashers				
Sinks				
Ice Makers			2	
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 331

Year Const:

Function

ADMIN / FAB. SHOP

No of Occupants ADMIN-9 / FAB.SHOP-11 Operating Hours: 7:00AM.- 4:00PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1	DUAL CONTROL, NO AERATOR	16.1	1	
Lavatory Sinks	DUAL FAUCET	19	2	
	HAND WASH THROUGH			
	DUAL CONTROL	22.7	4	3 FAUCETS W/25
2	NO AERATOR	30.4	1	
3	FLUSH VALVE	17	8	
4	FLUSH VALVE	5.7	9	
5	FLOW CONTROL	9.5	4	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

ALL USE FACILITIES

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 333

Year Const:

Function MECH. EQUIP. DIV.

No of Occupants 20

Operating Hours: 7:30 AM. - 4:15 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	8.5	7	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	5	
4 Urinals	FLUSH VALVE	16.1	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO. :	<u>334</u>	Year Const:		
No of Occupants	<u>25</u>	Function	<u>ADMIN.</u>	
		Operating Hours:	<u>8:30 AM - 5:PM</u>	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	<u>DUAL FAUCET</u> <u>DUAL CONTROL</u>	<u>17</u> <u>9.5</u>	<u>3</u> <u>4</u>	
2 Utility Sinks		<u>45.4</u>	<u>1</u>	
3 Water Closets	<u>FLUSH VALVE</u>	<u>17</u>	<u>8</u>	
4 Urinals		<u>5.7</u>	<u>4</u>	
5 Shower Heads	<u>FLOW CONTROL</u>	<u>9.5</u>	<u>2</u>	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 337

Year Const:

Function

ADMIN.

No of Occupants 18

Operating Hours: 8:00 AM. - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	3	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 353

Year Const:

Function ELECTRONICS LAB

No of Occupants NO ONE PRESENT

Operating Hours:

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks	<u>LAUNDRY TUB</u>	<u>45.4</u>	<u>1</u>	
3 Water Closets		<u>17</u>	<u>1</u>	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 357

Year Const:

Function I.R. TECH BRANCH & ARL

No of Occupants 70

Operating Hours: 8AM - 5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	<u>DUAL CONTROL</u>	<u>9.5</u>	<u>10</u>	
2 Utility Sinks				
3 Water Closets	<u>FLUSH VALVE</u>	<u>17</u>	<u>8</u>	
4 Urinals		<u>11.4</u>	<u>6</u>	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

5.7 LPM LASER COOLING 4 HOUR/DAY TYPICAL FOR 6-8 LABS

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 364

Year Const:

Function ADMIN

No of Occupants 4/27

Operating Hours: 02:23 - 19:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 362

Year Const:

Function FUELS & LUBRICANTS DIV

No of Occupants 15

Operating Hours: 8 AM - 5 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL FAUCET NO AERATOR	17	2	
	DUAL CONTROL NO AERATOR	17	3	
LAB SINK	WITH AERATOR - (NO VACUUM BKR.)	9.5	7	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17	5	
4				
Urinals		5.7	2	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

11.4 LPM COLD WATER NOZZLES ON FUME HOOD (^{THREE}~~THREE~~ HOODS)
H-4

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO.: 363

Year Const:

Function

ADMIN. / LAB

No of Occupants 46

Operating Hours:

8 AM - 5 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL FAUCET	17	9	
	DUAL CONTROL LAB SINK	19	31	
	ASPERATOR @ LAB HOOD	3.8	10	
2		45.4	5	
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17	8	
4				
Urinals		5.7	4	
5				
Shower Heads	FLOW CONTROL	9.5	12	1
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes EYEWASH HAS SMALL LEAK - INSIGNIFICANT AMOUNT
 FIRE MAIN HAS SMALL LEAK - INSIGNIFICANT AMOUNT
 11.4 LPM EQUIP. COOLING 1 HOUR/DAY
 30.3 LPM EQUIP. COOLING 3 HOUR/DAY } 12 mo./yr.
 56.9 LPM EQUIP. COOLING 1 HOUR/DAY }
 7.6 LPM EQUIP. COOLING 24 HOUR/DAY 6 MO./YR.
 2.8 LPM " " 24 HOUR/DAY

SYSTEMS CORP

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 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 365

Year Const:

Function

ADMIN.

No of Occupants 13

Operating Hours: 7:30 AM - 4:15 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	4	
2 Utility Sinks	NO AERATOR	30.4	1	
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO.: 367

Year Const:

Function

LAB

No of Occupants

Operating Hours:

5:AM - 7PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL	9.5	14	
	KITCHEN TYPE DUAL CONTROL	9.5	2	
	" " " " NO AERATOR	19	1	
2				
Utility Sinks		30.3	4	
		45.4	1	
3				
Water Closets	FLUSH VALVE	17	12	
	TANK	17	1	
4				
Urinals		5.7	4	
5				
Shower Heads	FLOW CONTROL	9.5	2	
6				
Dishwashers				
Sinks				
Ice Makers			1	

Additional Notes

UNDER RENOVATIONS

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 371

Year Const:

Function

ADMIN.

No of Occupants 25

Operating Hours: 7:30 AM - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	4	
KIT. SINK	NO AERATOR	16.1	1	
2 Utility Sinks	NO AERATOR	30.4	1	SMALL LEAK
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	3	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.:	374	Year Const:		
No of Occupants	9	Function	ADMIN.	
		Operating Hours:	7:30 A.M. - 5:30 P.M.	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL WITH AERATOR	16.1	2	
KIT. SINK.	DUAL CONTROL	9.5	1	
2 Utility Sinks				
3 Water Closets	TANK TOP	.17	2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-28-95

FACILITY NO.: 380

Year Const:

Function

ADMIN.

No of Occupants 20

Operating Hours: 8:00 AM - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 392

Year Const:

Function TACOM/CA MO

No of Occupants 28

Operating Hours: 8:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL WITH AERATOR	9.5	6	
2 Utility Sinks	NO AERATOR	16.1	2	
3 Water Closets	FLUSH VALVE	17.	4	
4 Urinals	FLUSH VALVE	5.7	3	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

1 of 3 1ST FLOOR

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO.: 399

Year Const:

Function

No of Occupants 40

Operating Hours:

ADMIN.
6AM-5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	10	
2 Utility Sinks		45.4	1	
3 Water Closets	FLUSH VALVE	.17	5	
4 Urinals		5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

2 of 3 2ND FLOOR

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-29-95

FACILITY NO.: 399

Year Const:

No of Occupants 45

Function

Operating Hours:

ADMIN.

8AM - 5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DIAL CONTROL	9.5	3	
2 Utility Sinks		45.4	1	
3 Water Closets	FLUSH VALVE	.17	3	
4 Urinals		5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

3 of 3

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY					
FIELD SURVEY SHEET				DATE: 6-29-95	
FACILITY NO. :	<u>399</u>	Year Const:			
No of Occupants	<u>APPROX. 45</u>	Function	<u>ADMIN</u>		
		Operating Hours:	<u>8am - 5 pm</u>		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM	
1 Lavatory Sinks	<u>DAUL CONTROL</u>	<u>0</u> <u>9.5</u>	<u>3</u>		
2 Utility Sinks			<u>45.4</u>	<u>1</u>	
3 Water Closets	<u>FLUSH VALVE</u>		<u>17</u>	<u>3</u>	
4 Urinals			<u>5.7</u>	<u>1</u>	
5 Shower Heads					
6 Dishwashers					
Sinks					
Ice Makers					
Additional Notes					

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: T-435

Year Const:

Function FAIR FAX CHAPEL

No of Occupants SUNDAY WORSHIP

Operating Hours: SUNDAY HOLIDAY

8:00 AM - 12:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	2	
2 Utility Sinks				
3 Water Closets	ROYAL SLOAN, FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-85

FACILITY NO.: 470

Year Const:

Function

TRANSIENT BILLING

No of Occupants 150/207 UNITS

Operating Hours: 24 HOUR

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	1 ^a	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1 ^a	
4 Urinals				
5 Shower Heads	FLOW CONTROL	11.4	1 ^b	
6 Dishwashers				
Sinks	KITCHEN SINK AERATOR	9.5	1 ^a	
Ice Makers				

Additional Notes

BLDG'S 507-508 & 509 - SHARED BATHS - SUITES INCLD.

BLDG'S 505 & 506 SHARED BATHS

^a 1 UNIT TYP. FOR 207 UNIT.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 505

Year Const:

Function TRANSIENT QRTS.

No of Occupants 13 SUITS, 32 INDIV. ROOM. Operating Hours: 24 HOUR

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	58	
2 Utility Sinks	NO AERATOR	45.4	4	
3 Water Closets	KOHLER FLUSH VALVE STANDARD FLUSH VALVE	17 17	45 1	
4 Urinals				
5 Shower Heads	FLOW CONTROL	5.7	45	
6 Dishwashers				
Sinks	KITCHEN, AERATOR	9.5	1	
Ice Makers				

Additional Notes

10 CLEANING STAFF

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 506

Year Const:

Function TRANSIENT QRTS.

No of Occupants 29 SUITES / 10 CLEAN STAFF Operating Hours: 24 HOURS.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	58	
2 Utility Sinks	NO AERATOR	45.4	41	
3 Water Closets	KOHLER FLUSH VALVE STANDARD FLUSH VALVE	17. 17	29 1	
4 Urinals				
5 Shower Heads	FLOW CONTROL	5.7	29	
6 Dishwashers				
Sinks	KITCHEN, AERATOR	9.5	29	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.:	507	Year Const:		
No of Occupants	37 UNITS CLEANING STAFF	Function	VOC	
		Operating Hours:	24 HOUR RESIDENCE	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	37	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	AMERICAN STD. TANK TOP	17	37	
4 Urinals				
5 Shower Heads	FLOW CONTROL	16.1	37	
6 Dishwashers				
Sinks	KITCHEN, AERATOR	2.5	16	
Ice Makers				
Additional Notes SIMILAR FOR BLDGS. 508 & 509				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.:	C10	Year Const:	
No of Occupants	17	Function	VET CLINIC
		Operating Hours:	7:00AM - 5:00 PM
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity
1 Lavatory Sinks	AERATOR	9.5	2
SURG. SINKS	AERATOR	9.5	8
KIT. SINK	AERATOR	9.5	1
2 Utility Sinks			
3 Water Closets	KOHLER FLUSH VALVE	17	2
4 Urinals			
5 Shower Heads	NO FLOW CONTROL	11.4	1
6 Dishwashers			
Sinks			
Ice Makers			

Additional Notes

DOGS HOSED DOWN EVERY DAY 3 MIN. EACH DOG
ABOUT 8 DOGS ON AVG.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY					
FIELD SURVEY SHEET			DATE: 6-23-95		
FACILITY NO. : <u>612</u>		Year Const: <u>PRINT PLANT</u> Function <u>PRINT PLANT</u>			
No of Occupants <u>7</u>		Operating Hours: <u>7:30 AM. - 3:30 PM.</u>			
Number Type	Existing Fixture System Description		LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	<u>AERATOR</u>		<u>9.5</u>	<u>5</u>	
2 Utility Sinks	<u>NO AERATOR</u>		<u>45.4</u>	<u>3</u>	
3 Water Closets	<u>"STANDARD" FLUSH VALVE</u>		<u>17</u>	<u>5</u>	
4 Urinals	<u>"STANDARD" FLUSH VALVE</u>		<u>11.4</u>	<u>2</u>	
5 Shower Heads					
6 Dishwashers					
Sinks					
Ice Makers					
Additional Notes					

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 630

Year Const:

Function ADMIN. GEN.

No of Occupants 17

Operating Hours: 6:30 AM - 7:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
LAV. SINK	NO AERATOR	20.9	1	
2				
Utility Sinks				
3				
Water Closets	"STANDARD" FLUSH VALVE	17	4	
4				
Urinals	AMERICAN STD. FLUSH VALVE	5.7	1	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 708

Year Const:

Function

WARE HOUSE

No of Occupants 5

Operating Hours:

6:30 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

BLDG 708 SIMILAR FOR BLDGS: 707 & 712

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 711

Year Const:

Function

WAREHOUSE

No of Occupants 5

Operating Hours: 6:30 - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	4	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-85

FACILITY NO.: 714

Year Const:

Function FLEET

No of Occupants 24

Operating Hours: 7:30 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	NO AERATOR	11.4	1	
LAV. SINK	AERATOR	9.5	2	
2				
Utility Sinks				
3				
Water Closets	KOHL FLUSH VALVE	17	4	
4				
Urinals	"STANDARD" FLUSH VALVE	5.7	1	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 801 (THIRD FLOOR)

Year Const:

Function

BILLETS

No of Occupants 56

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET NO AERATOR	16.1	43	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.	43	
4 Urinals				
5 Shower Heads	FLOW CONTROL	9.5	43	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* 43 APPT.

3053

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 802

Year Const:

Function

MEDICAL COMPANY

No of Occupants 15

Operating Hours:

7:00AM - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DAUL FAUCET	16.1	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17.	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 806

Year Const:

Function APARTMENT

No of Occupants 9 ROOMS / 7 PEOPLE

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.S	1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads	FLOW CONTROL	20	1	
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.S	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 807

Year Const:

Function

APARTMENT

No of Occupants ~~998~~ 15

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads	FLOW CONTROL	7.0	1	
6 Dishwashers				
Sinks	KIT. SINK. AERATOR	9.5	1	
Ice Makers				

Additional Notes

4 APART. SHARE 1 KITCHEN.
(13 APARTMENT IN ALL)

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 808 (Public Toilets)
 No of Occupants 805 EMPLOYEES
 30 PATIENT CAPACITY

Year Const:

Function

HOSPITAL

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	16.1	19	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	18	
4 Urinals	FLUSH VALVE	16.1	3	
	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

30 PT. TLTS - 30 PATIENT CAPACITY

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 808 KIT/CAFETERIA Year Const: _____
 Function HOSPITAL
 No of Occupants 35 Operating Hours: 4:30AM - 7:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
SINGLE COMP.		22.7	3	
DBL. COMP.		22.7	2	
2 Utility Sinks				
POT SINK	EILL EACH 3-4 TIMES		1	
3 COMP.	20 GAL. SA. COMPT.		1	
3 Water Closets				
4 Urinals				
5 Shower Heads				
6 Dishwashers	RUNS: CONTIN. FROM 12:00 - 1:30 PM		1	
Sinks	CONTIN. FROM 6:00 - 6:30 PM.			
Ice Makers	CONTIN. FROM 8:30 - 9:00 PM.			

Additional Notes

COMPRESS VAC. PUMP STEAM FROM CENTRAL.

G-TOTAL-LIQUID PINK-WASTED

(2) 350 TON TRANE CENT. VAC.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 808

Year Const:

Function

OUT PATIENT CLINIC

No of Occupants 435

Operating Hours:

7:00AM - 6:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks				
3 Water Closets				
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

WAS NOT SURVEYED.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 815 (FIRST FLOOR)

Year Const:

Function

CLINIC

No of Occupants 24

Operating Hours: 7:45 - 4:30

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR EXAM TYPE	9.5	11	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	16.1	1	
4 Urinals	FLUSH VALVE	11.4	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	1	
Ice Makers				

Additional Notes

1 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 81S (SECOND FLOOR) Year Const: _____
 No of Occupants 48 Function: _____
 Operating Hours: _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	5.7	9	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	9	
4 Urinals	FLUSH VALVE	11.4	3	
5 Shower Heads	FLOW CONTROL	8.5	5	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-25-95

FACILITY NO.: 1000

Year Const:

Function

ADMIN

No of Occupants 25

Operating Hours: 7:30 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	AMERICAN STD. TANK TYPE	1.7	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1001

Year Const:

Function

ADMIN.

No of Occupants 43

Operating Hours: 7:30 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR NO AERATOR	9.5 11.4	4 1	
2 Utility Sinks				
3 Water Closets	STANDARD TANK TYPE	17.0	8	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1003

Year Const:

Function YOUTH CENTER

No of Occupants 25 STAFF / 130 KIDS

Operating Hours: 6:00AM - 9:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	8	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	8	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	2	
Ice Makers				

Additional Notes

& AVERAGE DAILY ATTENDANCE

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1018

Year Const:

Function POST CHAPEL

No of Occupants 9

Operating Hours: 7:30AM - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	7.0	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT SINK AERATOR	9.5	2	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1024

Year Const:

Function

LIBRARY

No of Occupants 11 STAFF

Operating Hours:

MON-THUR-9AM-9PM
FRI-9AM-6PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	4	
2 Utility Sinks	NO AERATOR	13.5	1	
3 Water Closets	FLUSH VALVE	1.75	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

• 5.7 LPM LEAK FROM TOILET PIPES OF HANDICAP RESTROOM.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1028

Year Const:

Function CHILD DEVLP. CEM / RELIGIOUS

No of Occupants 66 STAFF / 250 NON STAFF ^ Operating Hours: 6:00AM - 6:00 PM - CHILD
8:00 AM - 4:00 PM - RELIGIOUS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	50	
2 Utility Sinks	NO AERATOR	45.4	3	
3 Water Closets	FLUSH VALVE	171	30	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	3	
Ice Makers				

Additional Notes

* BASED ON AVERAGE DAILY ATTENDANCE.

4 WASHERS IN CHILD DEVELOP

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1084

Year Const:

Function COLD STORAGE

No of Occupants 6

Operating Hours: 6:20AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	11.7	2	
4 Urinals	FLUSH VALVE	11.4	2	
5 Shower Heads	FLOW CONTROL	7.0	1	
6 Dishwashers				
Sinks	KIT. SINK ^A NO AERATOR	11.4	1	
Ice Makers				

Additional Notes

^A SINK HAS STEADY LEAK OF 7.0 LPM AROUND PIPE HOOK-UP.
HAS NOT SENT IN COMPLAINT.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1099

Year Const:

Function CLINIC, DENTAL

No of Occupants 32

Operating Hours: 7:00 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR NO AERATOR	8.5 11.4	28 1	
2 Utility Sinks	NO AERATOR	45.4	2	
3 Water Closets	FLUSH VALVE	17	9	
4 Urinals	FLUSH VALVE	5.7	6	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

WATER HOOK-UP TO EACH CHAIR. (12 CHAIRS)

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 1108

Year Const:

Function

WHOLESALE STORE

No of Occupants 3

Operating Hours:

8:00AM - 8:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR AERATOR	16.1 9.5	1 1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1116

Year Const:

Function GEN. MAINT. SHOP

No of Occupants 13-15

Operating Hours: 6:30 A.M. - 4:00 P.M.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	TWO HANDLE, NO AERATOR	11.4	9	
2 Utility Sinks	NO AERATOR	45.4	3	
3 Water Closets	CRANE FLUSH VALVE	17	7	
4 Urinals	CRANE FLUSH VALVE	7	3	
5 Shower Heads	FLOW CONTROL	9.5	3*	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* TWO SHOWER HEADS MISSING

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1132

Year Const:

Function MAINT. SHOP

No of Occupants 4

Operating Hours: 6:00AM - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL, NO AERATOR	11.4	1	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets	FLUSH VALVE	17	1	
4				
Urinals				
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 5147

Year Const:

Function SPORTS OFF.

No of Occupants 5

Operating Hours: 6:00AM - 6:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET NO AERATOR	16.1	1	-
2 Utility Sinks	NO AERATOR	43.4	1	-
3 Water Closets	FLUSH VALVE	17	1	-
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1148

Year Const:

Function GEN., INSTR., BLDG.

No of Occupants 7

Operating Hours: 6:45 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	1	5.7 LPM
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1150

Year Const:

Function ADMIN

No of Occupants 2

Operating Hours: 8:30AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK. AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1154

Year Const:

Function MORAL SPOT ACT. CNTR.

No of Occupants 2

Operating Hours: 6:30 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1161

Year Const:

Function ADMIN.

No of Occupants 13 STAFF / 10 NON STAFF ^A Operating Hours: 8:00AM - 4:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	16.1	2	
2 Utility Sinks				
3 Water Closets	TANK TYPE	17	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks	AERATOR	8.5	1	
Ice Makers				

Additional Notes

^ABASED ON ACTUAL ATTENDANCE.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1163

Year Const:

Function SNACK BAR

Operating Hours: SOCIAL EVENTS.

No of Occupants _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-85

FACILITY NO.: 1166

Year Const:

Function

LAB STORAGE

No of Occupants 4

Operating Hours:

7:30 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets				
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL	7.0	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

ABLDGS SIMILAR FOR 1165, 1167, 1168.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1182

Year Const:

Function PHYS. FIT. CENTER

No of Occupants 4 STAFF

Operating Hours: 6:00 AM - 6:00 PM
9:00 AM - 5:00 PM (SAT)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	9.5	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	6	
4 Urinals	FLUSH VALVE	5.7	3	
5 Shower Heads	FLOW CONTROL	9.5	15	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1194

Year Const:

Function BANK

No of Occupants 11

Operating Hours: 8:00 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1195

Year Const:

Function CREDIT UNION.

No of Occupants 13

Operating Hours: 8:00 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR SINGLE CONTROL NO AERATOR	9.5 9.5	2 2	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	TANK TYPE	17	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1199

Year Const:

Function

BOWLING CTR.

No of Occupants 22 STAFF / 70 NON STAFF

* Operating Hours: 10:00 AM - 10:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR NO AERATOR	8.5 16.1	7 1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	10	
4 Urinals	FLUSH VALVE	5.7	3	
5 Shower Heads				
6 Dishwashers				
1 COMP. Sinks	NO AERATOR 2 COMP. DUAL FIXTURE	32.4 19.0	1 1	
Ice Makers			1	

Additional Notes

* BASED ON AVERAGE DAY

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 1200

Year Const:

Function

KITCHEN

No of Occupants 10

Operating Hours: 9:00 AM - 5:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	NO AERATOR	19	1	
KIT. SINK	*NO AERATOR	22.7	3	
LAVATORY	AERATOR	9.5	1	
WAND	AERATOR	5.7	3	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets				
4				
Urinals				
5				
Shower Heads				
6				
Dishwashers			1	
Sinks				
Ice Makers			1	

Additional Notes

1 OF 2

2 MEALS A DAY

30 PLATES PER MEAL

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 1200

Year Const:

Function NCO

No of Occupants NCO CLUB

Operating Hours: 9:00 AM - 5:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR, DUAL CONTROL DUAL CONTROL/AERATOR	16.1 9.5	8 2	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17.	8	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads				
6 Dishwashers				
Sinks	BAR NO AERATOR GLASS WASHER	16.1 9.5	2 1	
Ice Makers				

Additional Notes

20 P 2

(PUBLIC TOILETS)

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1414

Year Const:

Function

WARE HOUSE

No of Occupants 60

Operating Hours: 6:00AM - 6:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
WASH SINK	54" DIA. FOOT CONTROL IS CONTINUOUS NOT IN SECTIONS		1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	7	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-85

FACILITY NO.: 1415

Year Const:

Function

WAREHOUSE

No of Occupants 1

Operating Hours:

6AM - 6PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL AERATOR	8.5	2	
WASH FOUNTAIN	SL4" DIA CONTINUOUS FOUNTAIN		3	-
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17	2	
4				
Urinals	FLUSH VALVE	5.?	2	
5				
Shower Heads	NO SHOWER HEAD FLOW CONTROL	8.5	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 1415

Year Const:

Function GEN. INSTR. BLDG.

No of Occupants 7

Operating Hours: 6:30 - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	1	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1416

Year Const:

Function

ENG. BN.

No of Occupants 5

Operating Hours:

7:30AM - 4:30PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR SINGLE FAUCET NO AERATOR	16.1 16.1	6 1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	1.7	6	
4 Urinals	FLUSH VALVE	5.7	6	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1417

Year Const:

Function

ENGINE WORK

No of Occupants 15

Operating Hours:

8:00AM. - 5:00PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVER WASH SINK	9.5 45.4	1 6	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	6	
4 Urinals	3 URIN ON 1 FLUSH VALUE	5.7	3	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1419/1420

Year Const:

Function

DYNA CORP

No of Occupants 117

Operating Hours:

7:15 - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVER DUAL FAUCET 5 HAND WASH STATIONS NO AERATOR 36" DIA WASH FOUNTAIN.	9.5 16.1 45.4	8 1 5 1	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE FLUSH VALVE	17 17	8 6	
4 Urinals	FLUSH VALVE	5.7	12	
5 Shower Heads				
6 Dishwashers				
Sinks	KITCHEN SINK AERATOR	9.5	1	
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1425 (FIRST FLOOR)

Year Const:

Function

DIV. OF CONSTRU.

No of Occupants 22

Operating Hours: 6AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR SINGLE CONTROL AERATOR	9.5 9.5	1 2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	15	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1425 (SECOND FLOOR) Year Const: _____

Function

No of Occupants 30 Operating Hours: _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVER AERATOR	9.5	3	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

20F2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-85

FACILITY NO.: 1434

Year Const:

Function

GEN. INST.

No of Occupants 4 STAFF / 150 NON STAFF Operating Hours: 7:00AM - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR DUAL CONTROL AERATOR	16.1 9.5	2 7	.1 .5
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	6	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* ON WEEKEND

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO. :	1436	Year Const:		
No of Occupants	10	Function	SUPPLY DIV.	
		Operating Hours:	7:30AM - 4:00 PM	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	5	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

1 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 1436

Year Const:

No of Occupants 12

Function TNG BUILDING

Operating Hours: 6:30 AM. - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	2	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

2 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1439

Year Const:

Function

ADMIN.

No of Occupants 2

Operating Hours: 6:30AM - 3:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVER AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	TANK TYPE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1442 (FIRST FLOOR)

Year Const:

Function DIR. OF PUBLIC WORKS

No of Occupants 60

Operating Hours: 7:30AM - 4:00PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	8	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	117	5	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-85

FACILITY NO.: 1442 (SECOND FLOOR) Year Const: _____
 No of Occupants 60 Function DPW.
 Operating Hours: 7:30 AM. - 4:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR DUAL CONTROL NO AERATOR	9.5 16.1	5 2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	5	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

2 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1444

Year Const:

Function BALT. DIST. OF ENG.

No of Occupants 16

Operating Hours: 8:00AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	3	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1445 (FIRST FLOOR)
 (THIRD FLR SIMILAR) Year Const: _____
 No of Occupants 100 Function PROGRAM EXEC. OFF.
 Operating Hours: 7:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVEL AERATOR	9.5	8	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	8	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1445 (SECOND FLOOR) Year Const: _____
 Function _____
 No of Occupants 100 Operating Hours: _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	SINGLE LEVEL AERATOR	9.5	8	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	11.7	10	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

20F2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.:	1462	Year Const:	
No of Occupants	12	Function	ACTIVITY CENTER
Operating Hours:	✓		
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity
1 Lavatory Sinks	DUAL CONTROL NO AERATOR DUAL CONTROL AERATOR	16.1 9.5	4 2
2 Utility Sinks			
3 Water Closets	FLUSH VALVE	1.7	6
4 Urinals	FLUSH VALVE	5.7	2
5 Shower Heads			
6 Dishwashers			
Sinks			
Ice Makers			

Additional Notes

MON. & TUES - 10:00AM - 6:00 PM.
 WED - FRI - 10:00AM - 6:00 PM
 SAT & SUN - 10:00AM - 6:00 PM.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1464 (FIRST FLOOR) Year Const: _____
 No of Occupants 298 (ALL FLRS) Function HEAD QUARTERS
 Operating Hours: 6:00 AM - 6:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	12	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	13	
4 Urinals	FLUSH VALVE	5.7	5	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
 Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1464 (SECOND FLOOR)* Year Const: _____

Function _____

No of Occupants _____ Operating Hours: _____

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* THIRD FLOOR IS TYP OF SECOND FLOOR.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 1465

Year Const:

Function C.I.C.

No of Occupants 280

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	26	
2 Utility Sinks	NO AERATOR	45.4	6	
3 Water Closets	FLUSH VALVE	1.7	28	
4 Urinals	FLUSH VALVE	5.7	7	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1466

Year Const:

Function ENL. BKS.

No of Occupants Δ

Operating Hours: 7:00 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Δ Lavatory Sinks	SINGLE LEVEL AERATOR	9.5	4	
2 Utility Sinks				
3 Δ Water Closets	FLUSH VALVE	17	5	
4 Δ Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

Δ FIRST FLR. - 40

SECOND FLR - 50

THIRD FLR. - 30

Δ TYPICAL FOR EACH FLOOR!

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-05

FACILITY NO.: 1467

Year Const:

Function CLINIC

No of Occupants 11 STAFF / 25 PATIENT^A

Operating Hours: 6:30 AM. - 4:00 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	8.5	2	
2 Utility Sinks		9.5	2	
EXTRA SINK	AERATOR			
3 Water Closets	FLUSH VALVE	17.0	2	
4 Urinals				
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks	KIT. SINK AERATOR ROSE SPRAY	5.7	1	
Ice Makers				

Additional Notes

* BASED ON AVG. DAY.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1468

Year Const:

Function

INSP. GEN. OFF.

No of Occupants 5

Operating Hours:

7:30 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1469

Year Const:

Function

SAFETY OFFICE

No of Occupants 6

Operating Hours: 6:00AM - 4:30PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL NO AERATOR	9.5	2	
2 Utility Sinks	FAUCET NEEDS REPLACEMENT. LEAKING.		1	
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1471

Year Const:

No of Occupants 4

Function HEARING CONSERV.
Operating Hours: 7:30AM - 4:30PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	3	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 1472

Year Const:

Function

INFORMATION CENT.

No of Occupants 1 STAFF / 80 NON STAFF ^AOperating Hours: 8:00AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR SINGLE CONTROL AERATOR	9.5 8.5	2 4	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

^A DAILY AVG.

FEW PEOPLE USE REST ROOM AS MANY AS 15-20.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26

FACILITY NO.: 51496

Year Const:

Function

GEN.

No of Occupants 13

Operating Hours:

8:00AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	0.5	5	LAU. 1
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	3	
5 Shower Heads	FLOW CONTROL	8.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 1801*

Year Const:

Function BANK

No of Occupants 4

Operating Hours: 9:00AM - 2:00 PM. (LOBBY)
9:00AM - 7:00 PM. (DRIVE-THRU)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	11.4	2	
2 Utility Sinks				
3 Water Closets	TANK TOP	17	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	1	
Ice Makers				

Additional Notes

* ~~SEDOZ TO BE DEMOLISHED~~

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1804

Year Const:

Function

CHAPEL

No of Occupants SUNDAY WORSHIP

Operating Hours:

8:00 AM - 12:00 PM,
SUNDAY

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks				
3 Water Closets				
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SAME AS CHAPEL NUMBER 435

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-85

FACILITY NO.: 1809

Year Const:

Function ANNEX

No of Occupants 40

Operating Hours: 6:00 AM - 4:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	5	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	AMERICAN STD. FLUSH VALVE	17	2	
4 Urinals	AMERICAN STD. FLUSH VALVE	5.7	5	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 1822

Year Const:

Function DINNING HALL

No of Occupants 412

Operating Hours: 6:30 AM - 8:00 PM* M-F

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR NO AERATOR	9.5 11.4	5 5	
2 Utility Sinks	NO AERATOR	45.4	2	
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads	FLOW CONTROL	7.0	2	
6 Dishwashers	INSINGER 20 PSI 20 GAL TANK		2	
WAND Sinks	FLOW CONTROL KIT. SINK. DUAL CONT. NO AERATORS	7.0 11.4	7 9	5.7 LPM
Ice Makers				

Additional Notes

* 7:30 AM - 5:00 PM (WEEKEND)

* 400 PEOPLE SERVED A DAY.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1824

Year Const:

Function

CHAPEL

No of Occupants

Operating Hours:

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks				
3 Water Closets				
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SAME AS CHAPEL NUMBER 435

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1906

Year Const:

Function VEHICLE MAINT.

No of Occupants 7

Operating Hours: 6:30 AM - 4:30 PM, 5 DAY

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL, NO AERATOR	11.4	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	AMERICAN STD. FLUSH VALVE	17	2	
4 Urinals	"STANDARD" FLUSH VALVE	5.6	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

WASH 7 VEHICLES TWICE WEEKLY

WATER RUNS THROUGH-OUT PERIOD.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1949

Year Const:

Function VEHICLE MAINT.

No of Occupants 8

Operating Hours: 7:00 AM. - 4:30 PM. 5 DAY

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR CIRCULAR WASH FOUNTAIN	9.5	1 1	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	11.4	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1950

Year Const:

Function VEHICLE MAINT.

No of Occupants 25

Operating Hours: 9:00AM - 4:30 PM. 5DAYS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	CIRCULAR WASH FOUNTAIN		1	
2 Utility Sinks	NO AERATOR	43.4	1	
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.7	3	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 1955 / 1982 *

Year Const:

Function

NAVAL RESERVE DRILL

No of Occupants 5 ACTIVE DUTY

200 RESERVE

Operating Hours:

7:30 AM - 3:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	5	
MEDICAL SINK	NO AERATOR	11.4	1	
2 Utility Sinks				
3 Water Closets	AMERICAN STD.	17	4	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* RESERVES ONLY ON WEEKEND,

ACTIVE DUTY 7 DAYS WEEK

* COVERS BLDGS 1955-1959, 1963, 1966, 1968, & 1982
BLDG 1966 SCHEDULED FOR DEMOLITION YR 2000

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 2102

Year Const:

Function ENL. BKS.

No of Occupants 80% OCCUPANCY

Operating Hours:

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	2	
KITCHENETTE	SINGLE CONTROL AERATOR	9.5	1	
2 Utility Sinks				
DAY ROOM	NO AERATOR	30.4	2	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
WASHER Sinks			7	
Ice Makers				

Additional Notes

ON SHEET:

(1) DAY ROOM (TYP. FOR EACH BUILDING).

(1) BARRACKS (TOTAL 67 EA. BLDG.) - 1-KITCHENETTE, 1- D-C BAV, 1- WTR CLOSET,
1-SHOWER PER RM

BLDG. 2102 SIMILAR FOR 2103, 2104, 2109, 2110, 2111

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 2105 ABC

Year Const:

Function ADMIN

No of Occupants 3/6/8

Operating Hours: 7:00 AM - 5:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1	Lavatory Sinks DUAL CONTROL, AERATOR.	9.5	6	
2	Utility Sinks NO AERATOR	45.4	2	
	FAUCET ONLY DUAL CONTROL, NO AERATOR (HOSE BIBB)	45.4	2	
3	Water Closets FLUSH VALVE	17	7	
4	Urinals FLUSH VALVE	5.7	3	
5	Shower Heads			
6	Dishwashers			
	Sinks			
	Ice Makers			

Additional Notes

BLDG 2105 SIMILAR FOR:

BLDG 5 - 2101 & 2113

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 215

Year Const:

Function HEALTH CLINIC

No of Occupants 3 STAFF / 15-20 PATIENTS ^{Operating Hours: 8:00AM - 4:30PM (M-F)}

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL	9.5	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads	FLOW CONTROL	9.5	1	
6 Dishwashers				
PATIENT ROOMS Sinks	DUAL CONTROL NO AERATOR	19.0	3	
Ice Makers				

Additional Notes

& BASED ON DAILY AVG.

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 2116

Year Const:

Function FITNESS CENTER

No of Occupants 3 STAFF

Operating Hours: 8:00 AM - 6:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	12	
2 Utility Sinks				
3 Water Closets	ZURN FLUSH VALVE	17	12	
4 Urinals	ZURN FLUSH VALVE	5.7	6	
5 Shower Heads	FLOW CONTROL	7.6	28	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

→ ZURN WC1LC

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 2118

Year Const:

Function

ADMIN.

No of Occupants 25

Operating Hours: 6:30 AM - 6:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	DUAL CONTROL NO AERATOR	9.5	1	
	DUAL CONTROL AERATOR	9.5	1	
2				
Utility Sinks				
3				
Water Closets	FLUSH VALVE	17	1	
4				
Urinals	FLUSH VALVE	5.7	2	
5				
Shower Heads				
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.:	2119	Year Const:		
No of Occupants	9	Function	FIRE STATION	
		Operating Hours:	24 HOURS	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR	9.5	6	
2 Utility Sinks				
3 Water Closets	TANK TYPE FLUSH VALVE	17 17	1 4	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads	FLOW CONTROL	9.5	4	
6 Dishwashers				
Sinks	AERATOR	9.5	1	
Ice Makers				
Additional Notes				
WASH TRUCKS 4 EVERY WEEK, 30 MIN. EACH TRUCK.				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 2302

Year Const:

Function

COMMISSARY

No of Occupants 50

Operating Hours: 9:00 AM - 9:00 PM, 7 DAY.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL CONTROL AERATOR NO AERATOR	9.5 16.1	3 11	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE		17	17
4 Urinals	FLUSH VALVE	14.50	8	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 OF 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-27-95

FACILITY NO.: 2302

Year Const:

Function COMMISARY

No of Occupants

Operating Hours: 9:00AM - 9:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	DUAL FAUCET, AERATOR KNEE ACTIVATED	9.5 9.5	3 1	
2 Utility Sinks	NO AERATOR	30.4	2	
3 Water Closets				
4 Urinals				
5 Shower Heads				
6 Dishwashers				
3 COMP. Sinks	2 FAUCET	19	4	
Ice Makers				

Additional Notes

2 op 2

FIXTURES FOR
MEAT / BAKERY / PRODUCE

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-26-95

FACILITY NO.: 2310

Year Const:

No of Occupants 90

Function COMM. CENTRAL LINK

Operating Hours: 24 HOURS

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	NO AERATOR	11.4	2	
	AERATOR	9.5	1	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets	FLUSH VALVE	17	3	
4				
Urinals	FLUSH VALVE	5.7	1	
5				
Shower Heads	FLOW CONTROL	7.0	1	
6				
Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

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Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 2393

Year Const:

Function

INDOOR PISTOL RANGE

No of Occupants 5 STAFF / 100 NON STAFF * Operating Hours: 9:00 AM - 4:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	3.8 LPM.
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	2	
4 Urinals	FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

* ON AN AVERAGE DAY

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

1 of 3

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY				
FIELD SURVEY SHEET			DATE: 6-28-95	
FACILITY NO.:	2462 WINGS A-J 1ST F.R.	Year Const:		
No of Occupants		Function	D.C.A	
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	WITH AERATOR	9.5	53	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	41	
4 Urinals	FLUSH VALVE	5.7	9	
5 Shower Heads	WITH Flow Control	11.4	19	
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

2 of 3

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY				
FIELD SURVEY SHEET			DATE: 6-28-95	
FACILITY NO.:	2462 WINGS A-J ATRIUM	Year Const:		
No of Occupants		Function	D.L.A.	
Operating Hours:				
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	w/ AERATOR	9.5	32	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	31	
4 Urinals	FLUSH VALVE	5.7	7	
5 Shower Heads	w/ Flow Cont.			
6 Dishwashers				
Sinks				
Ice Makers				
Additional Notes				

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

3 of 3

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY					
FIELD SURVEY SHEET				DATE: 6-28-95	
FACILITY NO.:	2462 WINGS A-J 2 nd FLOOR		Year Const:	1995	
No of Occupants			Function	D.L.A.	
			Operating Hours:		
Number Type	Existing Fixture System Description		LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	w/ AERATOR		9.5	41	
2 Utility Sinks					
3 Water Closets	FLUSH VALVE TANK		17 13.3	37 4	
4 Urinals	FLUSH VALVE		5.7	9	
5 Shower Heads	w/ Flow Control		11.4	4	
6 Dishwashers					
Sinks					
Ice Makers					
Additional Notes 3RD & 4TH FLOORS TYPICAL OF 2 ND FLOOR					

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: 2470

Year Const:

Function RESERVE CENTER

No of Occupants 50

Operating Hours: 7:30AM - 4:30PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR NO AERATOR	9.5 16.1	2 4	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	6	
4 Urinals	FLUSH VALVE	5.7	4	
5 Shower Heads	NO FLOW CONTROL	15.3	3	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

1 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-85

FACILITY NO.: 2470

Year Const:

Function RESERVE CENTER

No of Occupants 35

Operating Hours: 7:30AM - 4:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	14	
2				
Utility Sinks				
3				
Water Closets	AMERICAN STD. FLUSH VALVE	17	8	
4				
Urinals	STANDARD FLUSH VALVE	11.4	9	
5				
Shower Heads	NO FLOW CONTROL	11.4	3	
6				
Dishwashers	DO NOT USE	—	1	
Sinks	AERATOR	9.5	1	
	NO AERATOR	45.4	1	
Ice Makers				
CAN WASH	NO SPRAY NOZZLE	76	1	

Additional Notes

2 of 2

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: G-26

FACILITY NO.: 2901/2920

Year Const:

Function NORTH BG CLUB HOUSE

No of Occupants 93

Operating Hours: 6:30 AM. - 8:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	ELECTRIC SENSOR WITH AERATOR	5.7	8	
HAND LAV.	AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	FLUSH VALVE (ELECT. SENSOR)	17	8	
4 Urinals	H.C. ELECT. SENSOR	11.4	1	
	H.C. SENSOR NOT WORKING	1.5	1	
5 Shower Heads	FLOW CONTROL	9.5	6	
6 Dishwashers	JACKSON 200 SERIES		1	
2 COMPT. Sinks	2 AERATOR	9.5	1	
3 COMPT. Ice Makers	NO AERATOR	30.4	1	
BAR SINK	AERATOR	9.5	1	

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-24-95

FACILITY NO.: ~~2990~~ 2990

Year Const:

Function

DRMO

No of Occupants 50 BUYERS / 32 STAFF Operating Hours: 7:30AM - 3:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR NO AERATOR	9.5 16.1	1 1	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE TANK TOP	17 17	2 2	
4 Urinals	FLUSH VALVE	5.7	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

ON AN AVERAGE BUSINESS DAY.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3121

Year Const:

Function ARMY NAT'L GUARD

No of Occupants 40-M-F / 20-SAT-SUN.

Operating Hours: 6:30 AM - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks				
3 Water Closets	AMERICAN STD. FLUSH VALVE	17	5	
4 Urinals	AMERICAN STD. FLUSH VALVE	11.4	4	
5 Shower Heads	FLOW CONTROL	11.4	2	
6 Dishwashers				
Sinks	KIT. SINK AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 3123

Year Const:

Function ARMY NATIONAL GUARD.

No of Occupants 20 + 175

Operating Hours: 7:00AM - 4:30 PM.

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR AERATOR METERING FAUCET	11.4 9.5 5.7	2 5 2	
2 Utility Sinks	SMALL. NO AERATOR	45.4	1	
3 Water Closets	KOHL FLUSH VALVE REGAL SLOAN FLUSH VALVE	17 17	2 3	
4 Urinals	FLUSH VALVE	11.4	3	
5 Shower Heads	FLOW CONTROL KOHLER SAFETY MIX.	7.0 9.5	1 2	
6 Dishwashers	DOES NOT WORK		1	
PRE-RINSE Sinks	NO AERATOR	15.4	3	
Ice Makers			1	

Additional Notes

KITCHEN HOURS 8:00 AM. - 3:00 PM. 2 MEALS A DAY. 30 PEOPLE PER. 3 OCCUPANTS
MESS FUNCTION WEEKENDS ONLY SERVING 170 - 175 A DAY.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 3126

Year Const:

Function

NIGHT VISIONS OPER.

No of Occupants 15-20

Operating Hours: 7:30AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	4	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	ROYAL SLOAN FLUSH VALVE	17	4	
4 Urinals	STANDARD FLUSH VALVE	11.4	4	
5 Shower Heads	FLOW CONTROL NO FLOW CONTROL	5.7 22.7	1 1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 4-22-95

FACILITY NO.: 3128

Year Const:

Function

NIGHT VISIONS OPS.

No of Occupants 15-20

Operating Hours:

7:30AM - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	ROYAL SLOAN FLUSH VALVE	17	3	
4 Urinals	STANDARD FLUSH VALVE	11.4	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 313C

Year Const:

Function

HEAD QUARTERS

No of Occupants 21

Operating Hours: DESK-24 HOUR / REG. 7AM-5PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR NO AERATOR	9.5 19.0	2 2	
2 Utility Sinks	NO AERATOR	45.4	4	
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	AMERICAN STD. FLUSH VALVE	11.4	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 3137

Year Const:

Function PX / Airfield Svcs

No of Occupants 4 STAFF + CUSTOMERS / 13 Operating Hours: 6:30 AM - 1:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	4	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	STANDARD FLUSH VALVE	11.4	1	
5 Shower Heads				
6 Dishwashers				
Sinks	DUAL CONTROL KIT. SINK AER.	9.5	2	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 3138

Year Const:

Function

UTILITY PLANT

No of Occupants 8

Operating Hours: —

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks				
2 Utility Sinks				
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3140

Year Const:

Function

HANGER

No of Occupants 20

Operating Hours: 5:30 AM - 6:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks	AERATOR	18	1	
3 Water Closets	FLUSH VALVE	17	1	
4 Urinals	FLUSH VALVE	11.4	1	
5 Shower Heads	FLOW CONTROL NO FLOW CONTROL	9.5 15.2	1 1	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 3145

Year Const: WALSH HGR

Function FIXED WING MAINT.

No of Occupants 10-12

Operating Hours: 7:00AM - 12:00AM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	NO AERATOR	11.4	4	
2 Utility Sinks	NO AERATOR	43.4	2	
3 Water Closets	FLUSH VALVE	17.	13	
4 Urinals	STANDARD FLUSH VALVE	17.4	4	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks	WASH FOUNDATION		2	
Ice Makers				

Additional Notes

AIRCRAFT WASHER USED 3-4 TIMES A WEEK.
30 MIN. AT HIGH PRESSURE OR 1" HOSE. 7 PLANES.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 314C

Year Const:

Function FLIGHT SIMULATOR

No of Occupants 9

Operating Hours: 7:00AM - 5:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	3	
2 Utility Sinks	NO AERATOR	45.4	1	
3 Water Closets	FLUSH VALVE	17	4	
4 Urinals	STANDARD FLUSH VALVE	11.4	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 3151

Year Const:

Function ROTAR WING MAINT.

No of Occupants 35

Operating Hours: 6:30AM - 4:00PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	5	
2 Utility Sinks	NO AERATOR	45.4	5	
3 Water Closets	ROYAL FLUSH VALVE	17	11	
4 Urinals	STANDARD FLUSH VALVE	11.4	4	
5 Shower Heads	FLOW CONTROL NO FLOW CONTROL	7 16.1	1 1	
6 Dishwashers				
Sinks	TRough		1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3165

Year Const:

Function

OSAC

No of Occupants 50

Operating Hours: 6:30 AM - 4:30 PM (M-F)

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	3	
2 Utility Sinks	NO AERATOR (CHOSE B1B)	45.4	1	
3 Water Closets	FLUSH VALVE	17	3	
4 Urinals	STANDARD FLUSH VALVE	11.4	1	
5 Shower Heads	FLOW CONTROL	9.5	2	
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3230

Year Const:

Function AIR TRAFFIC CONTROL

No of Occupants 10

Operating Hours: 24 HOUR

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks				
3 Water Closets	AMERICAN STA. FLUSH VALVE	17	2	
4 Urinals				
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3231

Year Const:

Function

LEWIS STONE

No of Occupants 34

Operating Hours: 7:30 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1				
Lavatory Sinks	AERATOR	9.5	2	
LAV. SINK	NO AERATOR	11.4	9	
2				
Utility Sinks	NO AERATOR	45.4	1	
3				
Water Closets	AMERICAN STD. FLUSH VALVE	17	4	
	CROWN ROYAL FLUSH VALVE	17	4	
	SLOAN FLUSH VALVE	17	1	
4				
Urinals	FLUSH VALVE	5.7	5	
5				
Shower Heads	FLOW CONTROL	9.5	2	
6				
Dishwashers				
Sinks	THROUGH, FOOT CONTROL		2	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.:	3232	Year Const:	
No of Occupants	30	Function	MILLER HANGER
		Operating Hours:	7:30 A.M. - 5:00 P.M.
Number Type	Existing Fixture System Description	LPM	Fixtures Quantity
1 Lavatory Sinks	NO AERATOR	16.1	5
2 Utility Sinks			
3 Water Closets	STANDARD FLUSH VALVE	17	4
4 Urinals	FLUSH VALVE	5.7	2
5 Shower Heads			
6 Dishwashers			
Sinks			
Ice Makers			

Additional Notes

WASH CHOPPERS 2 PER WEEK WITH
52.3 LPM FAUCET. EACH CHOPPER IS WASHED
FOR 15 MIN.

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE:

FACILITY NO.: 3234

Year Const:

Function

ADMIN

No of Occupants 12

Operating Hours:

7:30 AM - 5:00 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	1	
2 Utility Sinks				
3 Water Closets	ROYAL SLOAN FLUSH VALVE	17	1	
4 Urinals	CRANE FLUSH VALVE	11.4	1	
5 Shower Heads				
6 Dishwashers				
Sinks	KITCHEN SINK, AERATOR	9.5	1	
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-22-95

FACILITY NO.: 3235

Year Const:

Function HEADQUARTERS

No of Occupants 25

Operating Hours: 6:30 AM - 6:30 PM

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	3	
LAV. SINK	NO AERATOR	19.0	1	
2 Utility Sinks	NO AERATOR	22.7	1	
3 Water Closets	AMERICAN STD. FLUSH VALVE	17	4	
4 Urinals	FLUSH VALVE	5.2	1	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.

FY95S EEAP FT. BELVOIR WATER CONSERVATION STUDY

FIELD SURVEY SHEET

DATE: 6-23-95

FACILITY NO.: 3237

Year Const:

Function A' FLO FIRE DEPARTMENT

No of Occupants 8

Operating Hours: 24 HOUR

Number Type	Existing Fixture System Description	LPM	Fixtures Quantity	Water Leaks LPM
1 Lavatory Sinks	AERATOR	9.5	2	
2 Utility Sinks	NO AERATOR	454	1	
3 Water Closets	SLOAN FLUSH VALVE	17	2	
4 Urinals	CRANE FLUSH VALVE	5.7	2	
5 Shower Heads				
6 Dishwashers				
Sinks				
Ice Makers				

Additional Notes

SYSTEMS CORP

Systems Engineering And Management Corporation,
Knoxville, TN.